#18

#18

Data Rec Oceanogr Obs.
Expl. Fish.
(Hokkaido Univ.)
No. 18 1975
海調漁試要報（北大水産）
第18号 昭和50年

DATA RECORD
OF
OCEANOGRAPHIC OBSERVATIONS AND
EXPLORATORY FISHING

No. 18

海 洋 調 査 漁 業 試 験 要 報

第 18 号

LIBRARY
JUL 11 1975
FISH & WILDLIFE SERVICE

THE FACULTY OF FISHERIES, HOKKAIDO UNIVERSITY
Hakodate, Hokkaido, Japan
March 1975
北 海 道 大 学 水 産 学 部
函 館 市 港 町
昭和50年 3 月

Publications Issued by the Faculty of Fisheries, Hokkaido University

Bulletin of the Faculty of Fisheries, Hokkaido University

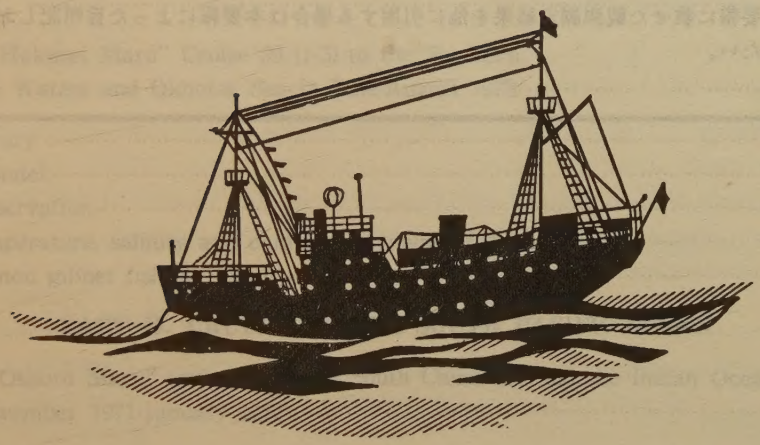
Vol. 1, No. 1	December	1950	Vol. 13, No. 2	August	1962
Vol. 1, No. 2	February	1951	Vol. 13, No. 3	November	1962
Vol. 1, No. 3/4	March	1951	Vol. 13, No. 4	February	1963
Vol. 2, No. 1	June	1951	Vol. 14, No. 1	May	1963
Vol. 2, No. 2	September	1951	Vol. 14, No. 2	August	1963
Vol. 2, No. 3	December	1951	Vol. 14, No. 3	November	1963
Vol. 2, No. 4	February	1952	Vol. 14, No. 4	February	1964
Vol. 3, No. 1	May	1952	Vol. 15, No. 1	May	1964
Vol. 3, No. 2	August	1952	Vol. 15, No. 2	September	1964
Vol. 3, No. 3	January	1953	Vol. 15, No. 3	November	1964
Vol. 3, No. 4	March	1953	Vol. 15, No. 4	March	1965
Vol. 3, Special Number	March	1953	Vol. 16, No. 1	May	1965
Vol. 4, No. 1	May	1953	Vol. 16, No. 2	September	1965
Vol. 4, No. 2	August	1953	Vol. 16, No. 3	November	1965
Vol. 4, No. 3	November	1953	Vol. 16, No. 4	March	1966
Vol. 4, No. 4	February	1954	Vol. 17, No. 1	May	1966
Vol. 5, No. 1	May	1954	Vol. 17, No. 2	August	1966
Vol. 5, No. 2	August	1954	Vol. 17, No. 3	November	1966
Vol. 5, No. 3	November	1954	Vol. 17, No. 4	March	1967
Vol. 5, No. 4	February	1955	Vol. 18, No. 1	May	1967
Vol. 6, No. 1	May	1955	Vol. 18, No. 2	August	1967
Vol. 6, No. 2	August	1955	Vol. 18, No. 3	November	1967
Vol. 6, No. 3	November	1955	Vol. 18, No. 4	February	1970
Vol. 6, No. 4	February	1956	Vol. 19, No. 1	May	1970
Vol. 7, No. 1	May	1956	Vol. 19, No. 2	August	1968
Vol. 7, No. 2	August	1956	Vol. 19, No. 3	November	1968
Vol. 7, No. 3	November	1956	Vol. 19, No. 4	Mach	1969
Vol. 7, No. 4	February	1957	Vol. 20, No. 1	May	1969
Vol. 8, No. 1	May	1957	Vol. 20, No. 2	August	1969
Vol. 8, No. 2	August	1957	Vol. 20, No. 3	November	1969
Vol. 8, No. 3	November	1957	Vol. 20, No. 4	February	1970
Vol. 8, No 4	February	1958	Vol. 21, No. 1	May	1970
Vol. 9, No. 1	May	1958	Vol. 21, No. 2	August	1970
Vol. 9, No. 2	August	1958	Vol. 21, No. 3	November	1970
Vol. 9, No. 3	November	1958	Vol. 21, No. 4	February	1971
Vol. 9, No. 4	February	1959	Vol. 22, No. 1	May	1971
Vol. 10, No. 1	May	1959	Vol. 22, No. 2	August	1971
Vol. 10, No. 2	August	1959	Vol. 22, No. 3	November	1971
Vol. 10, No. 3	November	1959	Vol. 22, No. 4	February	1972
Vol. 10, No. 4	March	1960	Vol. 23, No. 1	May	1972
Vol. 11, No. 1	May	1960	Vol. 23, No. 2	August	1972
Vol. 11, No. 2	August	1960	Vol. 23, No. 3	December	1972
Vol. 11, No. 3	November	1960	Vol. 24, No. 1	November	1973
Vol. 11, No. 4	February	1961	Vol. 24, No. 2	January	1974
Vol. 12, No. 1	May	1961	Vol. 24, No. 3	January	1974
Vol. 12, No. 2	August	1961	Vol. 24, No. 4	June	1974
Vol. 12, No. 3	November	1961	Vol. 25, No. 1	July	1974
Vol. 12, No. 4	February	1962	Vol. 25, No. 2	October	1974
Vol. 13, No. 1	May	1962	Vol. 25, No. 3	December	1974

DATA RECORD
OF
OCEANOGRAPHIC OBSERVATIONS AND EXPLORATORY FISHING

No. 18

海 洋 調 査 漁 業 試 験 要 報

第 18 号



THE FACULTY OF FISHERIES, HOKKAIDO UNIVERSITY
Hakodate, Hokkaido, Japan
March 1975
北 海 道 大 学 水 産 学 部
函 館 市 港 町
昭和50年 3 月

NOTICE

This publication is being undertaken for the sake of making available to interested persons, as soon as possible, some preliminary data derived from oceanographic, biological or exploratory fishing researches carried out on the regular or occasional cruises of the training ships of the Faculty of Fisheries, Hokkaido University

It is requested that due credit be given if data from this "Data Record" are quoted, or if information taken herefrom is incorporated in other papers.

本学部練習船を用いて行われた海洋観測，生物調査，漁業試験の結果が，各研究担当者によって研究論文として纒められ，印刷公表されるまでにはかなりの時日を要し，且研究論文には個々の測定値が表示されない場合が多いことを考慮し，練習船の調査航海毎に調査成果を本要報として逐次刊行し，各方面の参考に供することとした。

本要報に載せた観測測定結果を他に引用する場合は本要報によった旨明記しおかれたい。

CONTENTS

1. Explanation of Headings ..... *i*
1. Oceanographic data ..... *ii*
2. Biological characteristics of salmon ..... *iii*
3. Biological characteristics of fishes caught by tuna longline ..... *iv*

2. Scientific Name and Common Name ..... *v*

1. Gillnet fishing ..... *vi*
2. Longline fishing ..... *vii*

PART I. CRUISES TO THE NORTH PACIFIC OCEAN

1. The "Oshoro Maru" Cruise 49 to the Bering Sea and the Bristol Bay in June-August 1973 1

1. Cruise itinerary 2
2. Vessel personnel 3
3. Items of observation 5
4. Data on temperature, salinity and computed dynamic depth anomaly 5
5. Data on salmon gillnet fishing 47
6. Data on dissolved oxygen, reactive phosphorus, dissolved nitrate and nitrite in sea water 94

2. The "Hokusei Maru" Cruise 39 (1-3) to the Southern Kurile Waters and Okhotsk Sea in June-August 1973 106

1. Cruise itinerary 107
2. Vessel personnel 108
3. Items of observation 112
4. Data on temperature, salinity and computed dynamic depth anomaly 112
5. Data on salmon gillnet fishing 126

PART II. CRUISES TO THE SOUTH PACIFIC OCEAN

1. The "Oshoro Maru" cruise 43 to the South China Sea and the Indian Ocean in November 1971-January 1972 225

1. Cruise itinerary 226
2. Vessel personnel 227
3. Items of observation 229
4. Data on temperature, salinity and computed dynamic depth anomaly 229
5. Data on trawl fishing 239
6. Data on tuna longline fishing 245

2. The "Oshoro Maru" Cruise 47 to the South China Sea and the Indian Ocean in October-December 1972 249

1. Cruise itinerary 250
2. Vessel personnel 251

3. Items of observation ····253
4. Data on temperature, salinity and computed dynamic depth anomaly ····253
5. Data on trawl fishing ····263
6. Data on tuna longline fishing ····269

3. The "Oshoro Maru" Cruise 51 to the South China Sea and the Indian Ocean in October-December 1973 ····273

1. Cruise itinerary ····274
2. Vessel personnel ····275
3. Items of observation ····277
4. Data on temperature, salinity and computed dynamic depth anomaly ····277
5. Data on trawl fishing ····287
6. Data on tuna longline fishing ····294

4. The "Hokusei Maru" Cruise 35 to the Sea Area Adjacent to Fiji Islands, South Pacific, in October-December 1971 ····298

1. Cruise itinerary ····299
2. Vessel personnel ····300
3. Items of observation ····302
4. Data on temperature, salinity and computed dynamic depth anomaly ····302
5. Data on tuna longline fishing ····310

5. The "Hokusei Maru" Cruise 40 to the Sea Area Adjacent to Fiji Islands, South Pacific, in October-December 1973 ····320

1. Cruise itinerary ····321
2. Vessel personnel ····322
3. Items of observation ····324
4. Data on temperature, salinity and computed dynamic depth anomaly ····324
5. Data on tuna longline fishing ····338

PART III. CRUISES TO ADJACENT SEAS TO JAPAN

1. The "Oshoro Maru" Cruise 44 to the East China Sea in April 1972 ····347

1. Cruise itinerary ····348
2. Vessel personnel ····348
3. Items of observation ····350
4. Data on temperature, salinity and computed dynamic depth anomaly ····350
5. Data on trawl fishing ····355

2. The "Oshoro Maru" Cruise 46 to the East of Cape Erimo, Hokkaido in September 1972 ····360

1. Cruise itinerary ····361
2. Vessel personnel ····362
3. Items of training ····365
4. Items of observation ····365
5. Training program ····366

6. Observation program ····· 367
7. Data on temperature, salinity and computed dynamic depth anomaly ····· 367
8. Data on plankton collected by vertical hauls with Norpac net ····· 369
9. Data on plankton collected by simultaneous tow with Motoda horizontal nets ····· 370
10. Data on trawl fishing ····· 372
11. List of species of fishes and invertebrates collected by trawl fishing ····· 376

3. The "Oshoro Maru" Cruise 48 to the East China Sea in April 1973 ····· 378

1. Cruise itinerary ····· 379
2. Vessel personnel ····· 379
3. Items of observation ····· 381
4. Data on temperature, salinity and computed dynamic depth anomaly ····· 381
5. Data on trawl fishing ····· 386

4. The "Oshoro Maru" Cruise 50 to the East of Cape Erimo and off Cape Esan in September 1973 ····· 390

1. Cruise itinerary ····· 391
2. Vessel personnel ····· 392
3. Items of training ····· 396
4. Items of observation ····· 396
5. Training program ····· 397
6. Observation program ····· 398
7. Data on temperature, salinity and computed dynamic depth anomaly ····· 398
8. Data on plankton collected by vertical hauls with Norpac net ····· 402
9. Data on plankton collected by simultaneous tow with Motoda horizontal nets ····· 404
10. Data on trawl fishing ····· 408
11. List of species of fishes and invertebrates collected by trawl fishing ····· 411

5. The "Hokusei Maru" Cruises 36 to the Eastern Area of Cape Esan in April 1972 ····· 414

1. Cruise itinerary ····· 415
2. Vessel personnel ····· 415
3. Items of observation ····· 417
4. Data on temperature, salininity and computed dynamic depth anomaly ····· 417
5. Data on trawl fishing ····· 419

6. The "Hokusei Maru" Cruise 38 to the Eastern Area of Cape Esan in April 1973 ····· 423

1. Cruise itinerary ····· 424
2. Vessel personnel ····· 424
3. Items of observation ····· 426
4. Data on temperature, salinity and computed dynamic depth anomaly ····· 426
5. Data on trawl fishing ····· 433

1

EXPLANATION OF HEADINGS

1. Oceanographic Data

DATE	Year shown in tens and units only, month and day in numerals by GMT
TIME	Hour and tenth of hour in GMT
DEPTH	Depth to the bottom by echosounder but reading only without correction
COL.	Water color in Forel-Ule scale
TR.	Transparency in meters with Secchi disc
SEA	Wave direction in a scale of 36 points and sea state in WMO Code 3700
SWELL	Direction in 36 points and amount in JMA Code for swell (Douglas scale)
WIND	Direction in 36 points and wind force in Beaufort Scale
AIR TEMP. DRY WET	Air temperatures recorded from dry and wet bulb thermometers in °C
BAR.	Barometric pressure in millibars to the tenth of degree
WEATHER	Weather in WMO Code 4501
SIG-T	Specific gravity in situ as defined by, (Specific gravity-1) X 10^3
D-T	Thermosteric anomaly as defined by, $\delta_T = 0.02736 - \frac{10^{-3} \cdot \sigma_t}{1+10^{-3} \cdot \sigma_t}$ (X 10^5 in cl/ton)
SVA	Specific volume anomaly as defined by, $\delta = \delta_T + \delta_{sp} + \delta_{tp}$ (X 10^5 in cl/ton)
	δ_{sp} : corrected term by salinity and pressure
	δ_{tp} : corrected term by temperature and pressure
D-DY	Geo-potential anomaly as defined by, $\Delta D = \int_0^p \delta dp$

2. Biological Characteristics of Salmon

NO.	Number of fishing operation
MESH	Mesh size of net used in stretched measure
SEX	F: female, M: male
F.L.	Fork length (mm)
B.W.	Body weight (g)
G.W.	Gonad weight (g)
AGE	Designation according to Gilbert - Rich's formula (Koo, 1962)
G.I.	Gonad Index: (Gonad weight) X 100 / (Body weight)
C.F.	Condition Factor: (Body weight) X 100 /((Fork length)/ 10)^3

3. Biological Characteristics of Fishes Caught by Tuna Longline

NO.	Number of fishing operation
SPECIES	Species of fish
F.L.	Fork length (cm)
B.W.	Body weight (kg)
G.W.	Gonad weight (g)
C.F.	Condition Factor: (Body weight) X 1000 X 100 / (Fork length)^3
SEX	F: female, M: male
MAT.	Sexual maturity by eye observation
STOMACH CONTENT	
(WEIGHT)	Weight of food organisms in wet condition except bait
(CONTENT)	Abbreviations of food organisms are as follows:

EMPTY	Empty	TH	Thaliacea
REVERSED	Reversed condition of stomach	SK	Skipjack tuna
DM	Digested matter	F	Flying fish
FB	Fish's bone	M	Mackerel
SQB	Squid's bone	O	Octopus
SF	Small-sized fish (unidentifed)	PL	Pacific lancetfish
PU	Pumice	S(B)	Saury (Bait)
OA	Order amphipoda	SQ	Squid
CR	Crustacea	SQ(B)	Squid (Bait)
AM	Amphipoda	SW	Swell fish
EU	Euphausiacea	SH	Shrimp
DE	Decapoda	SQU	Squillas
ST	Stomatopoda	WA	Wahoo

2

SCIENTIFIC NAME AND COMMON NAME

1. Gillnet Fishing

Oncorhynchus nerka (WALBAUM)	Sockeye salmon, Red salmon, Blueback salmon
Oncorhynchus keta (WALBAUM)	Chum salmon, Dog salmon, Calico salmon, Keta salmon
Oncorhynchus gorbuscha (WALBAUM)	Pink salmon, Humpack salmon
Oncorhynchus tschawitscha (WALBAUM)	King salmon, Chinook salmon Typee salmon, Chavycha
Oncorhynchus kisutch (WALBAUM)	Silver salmon, Medium red salmon, Kisutch, Coho salmon
Salmo gairdnerii gairdnerii RICHARDSON	Steelhead trout
Salvelinus malma malma (WALBAUM)	Dolly Varden, Bull trout, Chars
Lamna ditropis HUBBS & FOLLETT	Salmon shark
Alepisaurus borealis (GILL)	Pacific lancetfish
Theragra chalcogramma (PALLAS)	Walleye pollack
Pleurogrammus monopterygius (PALLAS)	Atka mackerel
Clupea pallasi CUVIER & VALENCIENNES	Pacific herring
Limanda aspera (PALLAS)	Yellowfin sole

2. Longline Fishing

Thunnus alalunga (BONNATERRE)	Albacore
Thunnus obesus (LOWE)	Bigeye tuna
Thunnus albacares (BONNATERRE)	Yellowfin tuna
Tetrapturus angustirostris TANAKA	Shortbill spearfish
Tetrapturus audaz (PHILIPPI)	Striped marlin
Makaira mazara (JORDAN & SNYDER)	Black marlin
Makaira indica (CUVIER)	Pacific black marlin
Istiophorus platypterus (SHAW & NODDER)	Sailfish
Xiphias gladius LINNAEUS	Swordfish
Euthynnus pelamis (LINNAEUS)	Skipjack tuna
Scomberomorus niphonius (CUVIER & VALENCIENNES)	Pacific mackerel
Scomberomorus sinensis (LACEPEDE)	Mackerel
Acanthocybium solandri (CUVIER & VALENCIENNES)	Wahoo
Spyraena picuda (BLOCH & SCHNEIDER)	Barracuda
Coryphaena hippurus LINNAEUS	Dolphin
Lampris regius (BONNATERRE)	Opah
Lepidocybium flavobrunneum (SMITH)	Escolar
Alepisaurus borealis (GILL)	Pacific lancetfish
Prionace glauca (LINNAEUS)	Blue shark
Isurus oxyrinchus LAFINESQUE	Shortfin mako
Alopias vulpinus (BONNATEREE)	Thresher shark
Carcharhinus longimanus (POEY)	Oceanic whitetip shark
Scoliodon walbeehmi (BLEEKE)	Sharpnose shark
Dasyatin benneti (MULLE & HENLE)	Yellow stingray
Lamniformes	Sharks
Rajiformes	Rays

PART I. CRUISES TO THE NORTH PACIFIC OCEAN

1

THE "OSHORO MARU" CRUISE 49 TO THE BERING SEA AND THE BRISTOL BAY IN JUNE-AUGUST 1973

1. Cruise Itinerary

Departure from Hakodate	June	5, 1973
Starting fish larva sampling		8
Date change		11
Drop in Adak and embarkment of Dr. F. F. Wright		11
Starting hydrographic cast (OS 73012)		13
Starting salmon gillnet set (OSG 7301)		13
Finishing salmon gillnet set (OSG 7322)	July	6
Finishing hydrographic cast (OS 73067)		7
Arrival at Dutch Harbor and disembarkment of Dr. F. F. Wright		8
Embarkment of Dr. L. K. Coachman and Mr. R. B. Tripp to the ship		10
Departure from Dutch Harbor		11
Starting hydrographic cast (OS 73068)		12
Starting consentration hydrographic cast (OS 73074)		13
Rendezvous with the "Mineshima Maru", a fish meal factory ship		16
Finishing consentration hydrographic cast (OS 73123)		19
Starting salmon gillnet set (OSG 7323)		20
Finishing hydrographic cast (OS 73127)		22
Finishing salmon gillnet set (OSG 7325)		23
Passed Unimak Pass		24
Arrival at Juneau		28
Disembarkment of Dr. L. K. Coachman and Mr. R. B. Tripp		29
Departure from Juneau	Aug.	1
Date change		8
Doing hydrographic cast (OS 73128)		12
Returned to Hakodate		16

Total coverage 11,403.3 miles, 5 days in ports and 68 days at sea

2. Vessel Personnel

Captain:		Professor	Takeji Fujii
Crew:	Chief Officer	Associate Professor	Kiyoshi Masuda
	First Officer	Instructor	Genji Kobayashi
	Second Officer	Research Associate	Gen Anma
	Chief Engineer	Research Associate	Shoichi Tomisawa
	First Engineer		Kenzo Omi
	Second Engineer		Ichiro Kataoka
	Third Engineer		Tetsusaburo Inomata
	Chief Radio Operator		Mitsuo Kurotori
	Junior Radio Operator		Tetsuya Nakamura
	Purser		Akira Togashi
	and 26 men		
Research Staff:	Research Associate (Division of Fisheries in Research Institute of North Pacific Fisheries) (Ocean Ecology)		Thuneo Nishiyama
	Research Assistant (Division of Fisheries in Research Institute of North Pacific Fisheries) (Ocean Ecology)		Tsuneyori Hamanaka
	Student, Department of Biology and Aquiculture (Fish larvae)		Thutomu Haryu
Cadets:	10 cadets, Advanced Course in Pelagic Fishery		
Guest Scientists	temporarily aboard:		
	F. F. Wright, Associate Professor, University of Alaska (Adak - Dutch Harbor)		
	L. K. Coachman, Professor, and Mr. R. B. Tripp, Senior Oceanographer, University of Washington (Dutch Harbor - Juneau)		
Total:	51 persons		

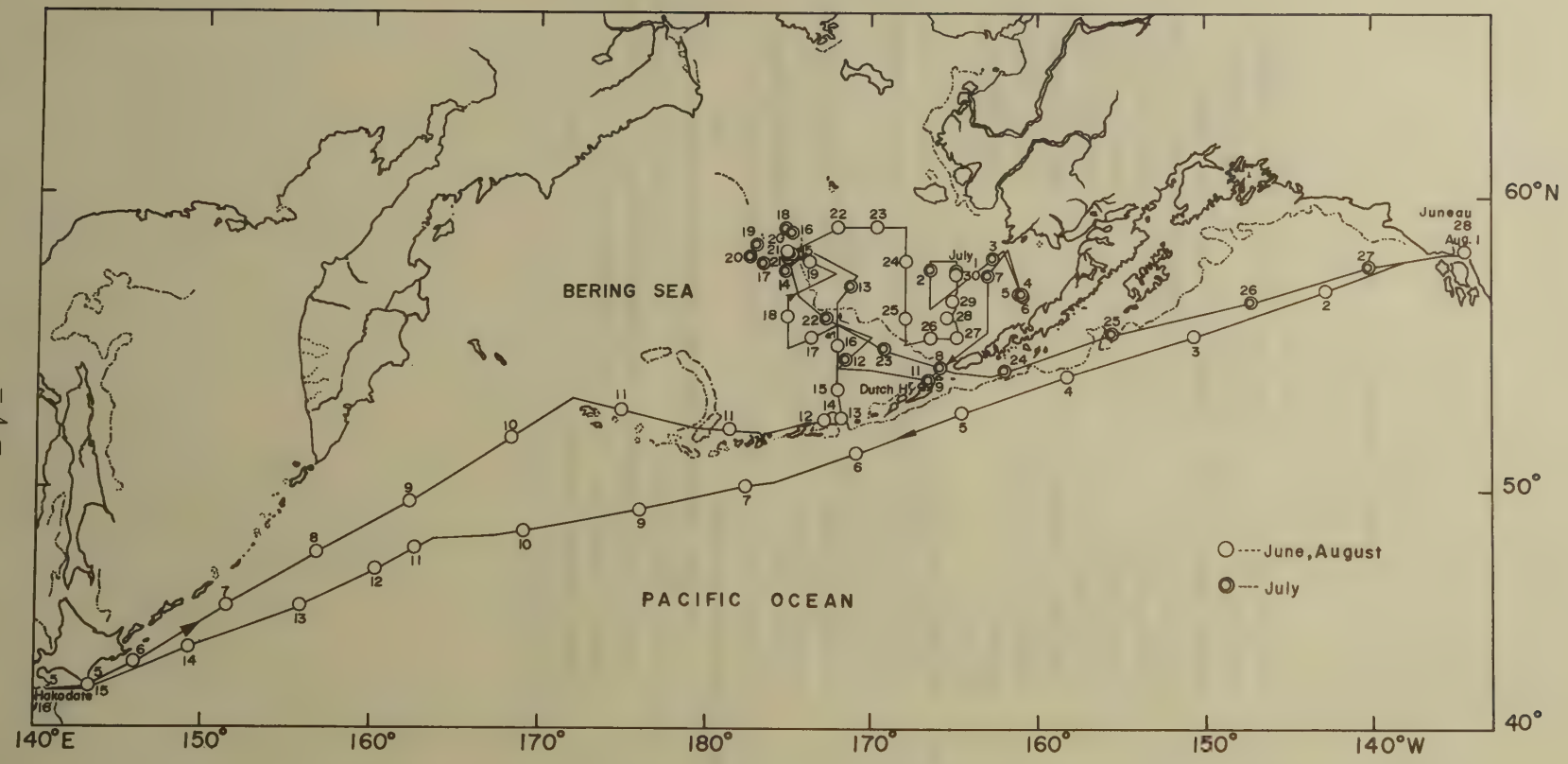


Fig. 1 Track and noon positions

3. Items of Observation

Meteorological observations:

Every three hour interval, covering the whole courses.

Hydrographic observations:

Temperature measurement and sampling of water for salinity determination, covering the depths from the surface down to at 67 stations in ordinary observation, in concentration observation from OS 73074 to 73123, covering near bottom in addition to nutrien and oxygen.

Plankton sampling:

Vertical hauls with a Norpac net, from 150 m depth.

M. T. D. net:

Net were attached to a single wire cable, 4 mm diameter, at every 10 meter stratum, and they were towed horizontally by the drift of the ship or at a dead slow, keeping the wire angle about 45° for approximately 10 minutes.

After tow was completed, a messenger was slid down to close sweeping nets.

A flow meter (R. G. S. 875) was mounted at the month of the shallowest net to register approximate volume of water filtered.

Fish larva sampling:

Horizontal surface tow with a stramin larva net at low speed for ten minutes mostly about 10 minites after sunset while underway at 36 stations.

Salmon gillnet fishing:

25 operations at various locations. Measurement of biological characteristics, observations on maturity and scale sampling.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Oshoro Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

In concentration observation (OS 73074 - 73123) standard stratum of 1200 m in depth put 1250 m.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations.

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 73012	52-46N	171-12W	June 13	1245-1335	June 14	0045-0135	Radar
OS 73013	52-44N	171-30W	13	1500-1518	14	0300-0318	Radar
OS 73014	52-43N	171-50W	13	1648-1745	14	0448-0545	Radar
OS 73015	52-51N	172-06W	13	2105-2315	14	0905-1115	Radar
OS 73016	52-39N	172-30W	14	0745-0905	14	1945-2105	Radar
OS 73017	52-40N	172-10W	14	1040-1150	14	2240-2350	Radar
OS 73018	52-46N	171-55W	14	1306-1425	15	0106-0225	Radar
OS 73019	53-04N	171-50W	14	1605-1740	15	0405-0540	Radar
OS 73020	53-45N	172-01W	15	0948-1143	15	2148-2343	Loran
OS 73021	54-30N	172-03W	15	1626-1835	16	0426-0635	Loran
OS 73022	55-15N	172-00W	16	1012-1215	16	2212-0015	Loran
OS 73023	56-00N	172-00W	16	1905-2053	17	0705-0853	Loran
OS 73024	55-33N	173-32W	17	1015-1152	17	2215-2352	Loran
OS 73025	55-14N	174-59W	17	1643-1820	18	0443-0620	Loran
OS 73026	56-00N	175-00W	18	0930-1113	18	2130-2313	Loran
OS 73027	56-45N	175-00W	18	1505-1705	19	0305-0505	Loran
OS 73028	57-02N	174-01W	18	2035-2200	19	0835-1000	Loran
OS 73029	57-15N	172-58W	19	0135-0200	19	1335-1400	D.R.P.
OS 73030	57-39N	172-04W	19	0545-0621	19	1745-1821	Loran
OS 73031	57-45N	173-04W	19	0932-0952	19	2132-2152	Loran
OS 73032	58-02N	174-08W	19	1313-1435	20	0113-0235	Loran
OS 73033	58-16N	175-00W	20	1805-1930	21	0605-0730	Loran
OS 73034	58-30N	174-00W	21	2327-2346	22	1127-1146	D.R.P.
OS 73035	58-43N	173-02W	22	0443-0515	22	1643-1715	Loran
OS 73036	59-00N	172-00W	22	0940-1000	22	2140-2200	Loran
OS 73037	59-00N	170-00W	23	1104-1122	23	2304-2322	Loran
OS 73038	59-00N	168-00W	23	1654-1718	24	0454-0518	Loran
OS 73039	58-00N	168-00W	24	1207-1226	25	0007-0026	Loran
OS 73040	57-20N	167-59W	24	1553-1616	25	0353-0416	Loran
OS 73041	56-20N	168-00W	25	1030-1057	25	2230-2257	Loran
OS 73042	55-20N	168-00W	25	1605-1706	26	0405-0506	Loran
OS 73043	55-30N	166-29W	26	1120-1140	26	2320-2340	Loran
OS 73044	55-30N	165-00W	26	1603-1705	27	0403-0505	Loran
OS 73045	56-04N	165-05W	27	2020-2050	28	0820-0850	Loran
OS 73046	56-30N	165-00W	28	2005-2035	29	0805-0835	Loran
OS 73047	57-00N	165-00W	29	1946-2015	30	0746-0815	Loran
OS 73048	57-31N	165-00W	30	0935-1005	30	2135-2205	Loran
OS 73049	58-00N	165-00W	July 1	2000-2020	July 2	0800-0820	Loran
OS 73050	57-58N	166-31W	2	1015-1033	2	2215-2233	Loran
OS 73051	57-30N	166-29W	2	1325-1345	3	0125-0145	Loran
OS 73052	57-01N	166-31W	2	1706-1735	3	0506-0535	Loran
OS 73053	56-30N	166-29W	2	2030-2057	3	0830-0857	Loran
OS 73054	57-30N	164-00W	3	0625-0637	3	1825-1837	Loran
OS 73055	57-56N	162-59W	3	1003-1016	3	2203-2216	Loran
OS 73056	58-20N	162-00W	3	1352-1406	4	0152-0206	Radar
OS 73057	57-37N	161-39W	3	1913-1928	4	0713-0728	Loran
OS 73058	57-15N	161-11W	4	0807-0917	4	2007-2117	Loran
OS 73059	56-53N	160-50W	4	1132-1200	4	2332-0000	Loran
OS 73060	56-30N	160-33W	4	1425-1436	5	0225-0236	Radar
OS 73061	57-03N	161-08W	4	1915-1936	5	0715-0736	Loran
OS 73062	58-21N	161-42W	7	0621-0635	7	1721-1735	Radar
OS 73063	57-33N	163-00W	7	1204-1224	7	2304-2324	Loran
OS 73064	57-00N	163-00W	7	1524-1549	8	0224-0249	Loran
OS 73065	56-30N	163-00W	7	1830-1847	8	0530-0547	Loran
OS 73066	56-00N	163-00W	7	2130-2155	8	0830-0855	Radar
OS 73067	55-44N	163-00W	7	2332-2346	8	1032-1046	Radar
OS 73068	54-28N	170-00W	12	0048-0202	12	1048-1202	Loran
OS 73069	54-30N	170-00W	12	0830-1007	12	1830-2007	Loran
OS 73070	55-30N	170-00W	12	1847-2004	13	0447-0604	Loran

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 73071	56-01N	172-02W	July 13	0234-0413	July 13	1334-1513	Loran
OS 73072	56-40N	172-01W	13	0753-0822	13	1853-1922	Loran
OS 73073	57-30N	171-00W	13	1338-1355	14	0038-0055	Loran
OS 73074	58-17N	173-36W	13	2227-2246	14	0927-0946	Loran
OS 73075	58-06N	173-56W	14	0042-0103	14	1142-1203	Loran
OS 73076	57-56N	174-19W	14	0248-0433	14	1348-1533	Loran
OS 73077	57-48N	174-39W	14	0558-0815	14	1658-1915	Loran
OS 73078	57-41N	174-58W	14	0938-1214	14	2038-2314	Loran
OS 73079	57-33N	175-17W	14	1333-1551	15	0033-0251	Loran
OS 73080	57-22N	175-38W	14	1735-1942	15	0435-0642	Loran
OS 73081	57-35N	175-51W	14	2116-2354	15	0816-1054	Loran
OS 73082	57-45N	175-27W	15	0130-0355	15	1230-1455	Loran
OS 73083	57-54N	175-11W	15	0512-0758	15	1612-1858	Loran
OS 73084	58-04N	174-50W	15	0915-1143	15	2015-2243	Loran
OS 73085	58-14N	174-31W	15	1308-1440	16	0008-0140	Loran
OS 73086	58-23N	174-10W	15	1608-1633	16	0308-0333	Loran
OS 73087	58-35N	173-47W	15	1759-1823	16	0459-0523	Loran
OS 73088	58-16N	175-05W	15	2238-2349	16	0938-1049	Loran
OS 73089	58-27N	174-43W	16	0147-0252	16	1247-1352	Loran
OS 73090	58-38N	174-21W	16	0426-0442	16	1526-1542	D.R.P.
OS 73091	58-48N	174-02W	16	0603-0615	16	1703-1715	Loran
OS 73092	58-56N	174-33W	16	0802-1821	16	1902-1921	Loran
OS 73093	58-44N	174-55W	16	1453-1516	17	0153-0216	Loran
OS 73094	58-34N	175-12W	16	1642-1726	17	0342-0426	Loran
OS 73095	58-26N	175-25W	16	1831-1850	17	0531-0550	Loran
OS 73096	58-18N	175-38W	16	1955-2109	17	0655-0809	Loran
OS 73097	58-06N	175-25W	16	2236-0004	17	0936-1104	Loran
OS 73098	57-56N	175-44W	17	0153-0405	17	1253-1505	Loran
OS 73099	57-45N	176-04W	17	0550-0823	17	1650-1923	Loran
OS 73100	57-54N	176-17W	17	0950-1225	17	2050-2325	Loran
OS 73101	58-02N	176-03W	17	1339-1622	18	0039-0322	Loran
OS 73102	58-10N	175-52W	17	1730-1905	18	0430-0605	Loran
OS 73103	58-05N	176-25W	17	2058-2328	18	0758-1028	Loran
OS 73104	58-15N	176-13W	18	0055-0300	18	1155-1400	Loran
OS 73105	58-21N	176-01W	18	0420-0553	18	1520-1653	Loran
OS 73106	58-29N	175-48W	18	0700-0726	18	1800-1826	Loran
OS 73107	58-33N	175-39W	18	0809-0852	18	1909-1952	Loran
OS 73108	58-42N	175-28W	18	0953-1015	18	2053-2115	Loran
OS 73109	58-56N	176-06W	18	1158-1221	18	2258-2321	Loran
OS 73110	59-02N	175-24W	18	1333-1403	19	0033-0103	Loran
OS 73111	58-53N	175-38W	18	1514-1534	19	0214-0234	Loran
OS 73112	58-40N	176-01W	18	1718-1739	19	0418-0439	Loran
OS 73113	58-32N	176-15W	18	1853-1939	19	0553-0639	Loran
OS 73114	58-24N	176-28W	18	2053-2234	19	0753-0934	Loran
OS 73115	58-17N	176-41W	19	0017-0305	19	1117-1405	Loran
OS 73116	58-11N	176-56W	19	0430-0629	19	1530-1729	Loran
OS 73117	58-18N	177-07W	19	0721-1013	19	1821-2113	Loran
OS 73118	58-26N	176-54W	19	1123-1305	19	2223-0005	Loran
OS 73119	58-33N	176-41W	19	1412-1452	20	0112-0152	Loran
OS 73120	58-43N	176-27W	19	1612-1633	20	0312-0333	Loran
OS 73121	58-53N	176-13W	19	1746-1805	20	0446-0505	Loran
OS 73122	59-03N	175-56W	19	1923-1941	20	0623-0641	Loran
OS 73123	58-06N	177-26W	20	1017-1246	20	2117-2346	Loran
OS 73124	58-31N	176-40W	20	1628-1721	21	0328-0421	Loran
OS 73125	57-56N	175-00W	21	1132-1238	21	2232-2338	Loran
OS 73126	56-45N	174-24W	21	2010-2133	22	0710-0833	Loran
OS 73127	55-21N	170-36W	22	2010-2135	23	0710-0835	Loran
OS 73128	46-48N	160-16E	Aug. 12	0610-0753	Aug. 11	1910-2053	D.R.P.

D.R.P. : Position by dead reckoning

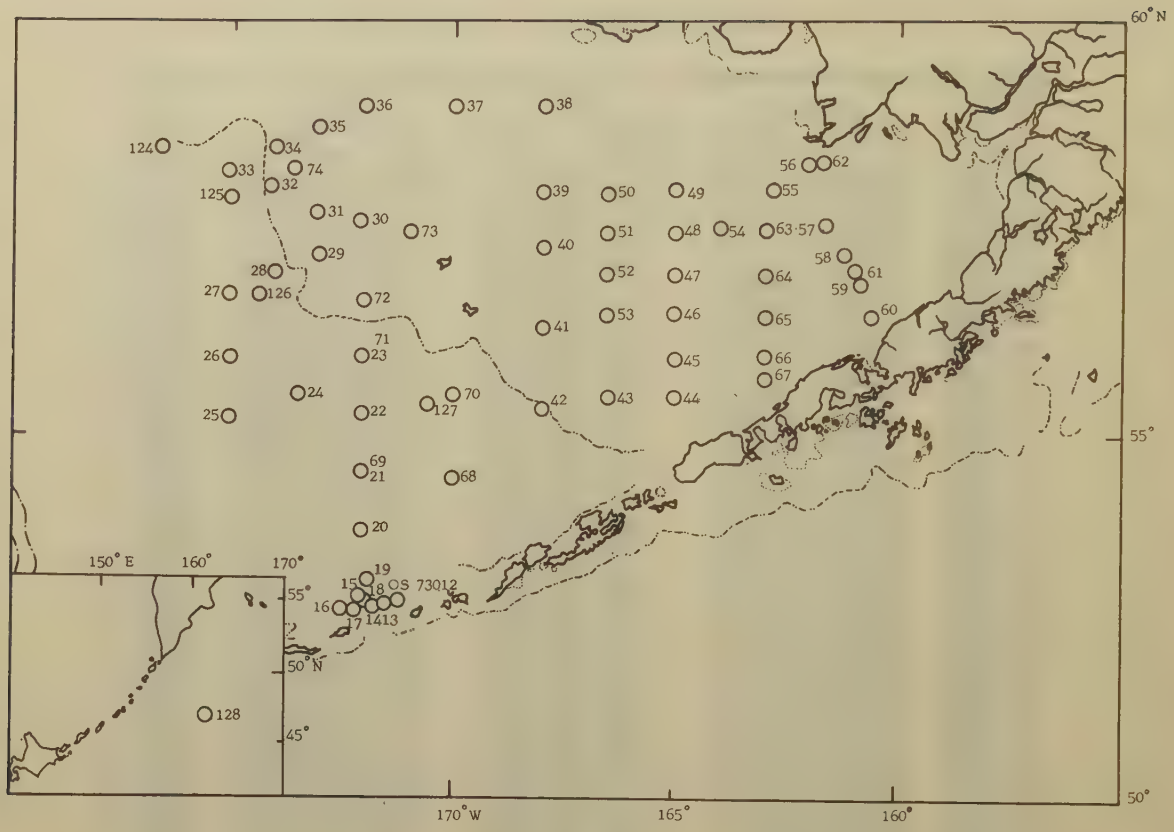


Fig. 2 - A Oceanographic stations

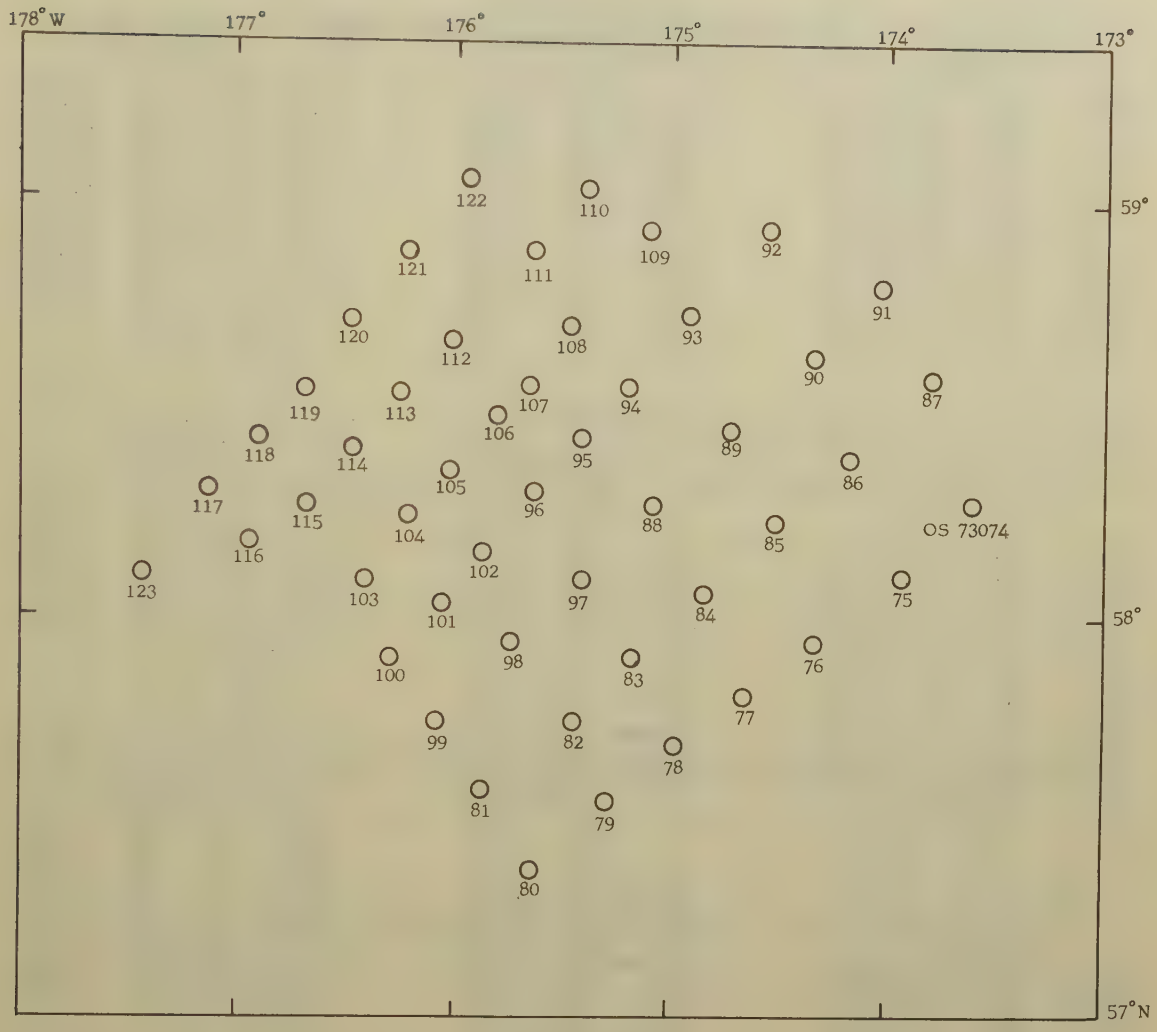


Fig. 2 - B Intensive oceanographic stations

Table 2. Oceanographic data.

STATION OS73012

LATITUDE 52-46 N LONGITUDE 171-12 W DATE 73-06-14 00.8 (GMT) DEPTH 510 COL. 04 TR. 18
SEA 02 3A SWELL 05 1A WIND 02 03F AIR TEMP. DRY 04.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.20	33.36		0	4.20	33.36		26.49	155	155	0.000
9	3.80	33.42		10	3.79	33.42		26.58	147	146	0.015
19	3.78	33.43		20	3.78	33.43		26.58	146	146	0.030
27	3.73	33.43		30	3.69	33.43		26.59	145	145	0.044
45	3.52	33.46		50	3.50	33.46		26.64	141	141	0.073
68	3.47	33.47		75	3.45	33.47		26.65	140	140	0.108
91	3.42	33.52		100	3.47	33.60		26.75	130	131	0.142
113	3.54	33.72		125	3.54	33.77		26.88	118	118	0.174
142	3.50	33.83		150	3.47	33.88		26.97	110	110	0.202
184	3.34	34.04		200	3.28	34.07		27.14	93	95	0.254
220	3.20	34.06									

STATION OS73013

LATITUDE 52-44 N LONGITUDE 171-30 W DATE 73-06-14 00.0 (GMT) DEPTH 150 COL. 05 TR. 13
SEA 02 4A SWELL 04 1A WIND 01 03F AIR TEMP. DRY 04.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.30	33.33		0	4.30	33.33		26.45	159	158	0.000
10	4.14	33.27		10	4.14	33.27		26.42	162	161	0.016
19	4.09	33.26		20	4.08	33.26		26.42	161	161	0.032
29	4.01	33.31		30	4.01	33.31		26.47	157	157	0.048
48	3.98	33.34		50	3.97	33.34		26.50	154	154	0.079
71	3.87	33.40		75	3.84	33.41		26.56	148	148	0.117
95	3.72	33.48		100	3.70	33.50		26.64	140	141	0.154
119	3.65	33.57									

STATION OS73014

LATITUDE 52-43 N LONGITUDE 171-50 W DATE 73-06-14 04.8 (GMT) DEPTH 765 COL. 05 TR. 12
SEA 05 3A SWELL 02 1A WIND 05 04F AIR TEMP. DRY 04.7 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.80	32.80		0	4.80	32.80		25.98	203	203	0.000
9	4.22	33.04		10	4.20	33.05		26.24	178	178	0.019
18	4.17	33.13		20	4.15	33.14		26.32	171	171	0.037
27	4.10	33.19		30	4.09	33.21		26.38	166	166	0.054
46	4.07	33.29		50	4.06	33.31		26.46	158	158	0.086
69	4.03	33.37		75	4.02	33.39		26.53	151	152	0.125
91	3.99	33.43		100	3.99	33.43		26.56	148	148	0.162
114	3.99	33.43		125	3.98	33.44		26.57	147	147	0.200
137	3.95	33.47									

STATION OS73015

LATITUDE 52-51 N LONGITUDE 172-06 W DATE 73-06-14 09.0 (GMT) DEPTH 1345 COL. TR.
SEA 03 3A SWELL 03 1A WIND 03 03F AIR TEMP. DRY 04.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.90	33.29		0	3.90	33.29		26.46	158	157	0.000
9	3.79	33.33		10	3.78	33.33		26.51	153	153	0.016
19	3.71	33.36		20	3.70	33.36		26.54	151	150	0.031
28	3.67	33.36		30	3.66	33.36		26.54	150	150	0.046
46	3.58	33.36		50	3.55	33.36		26.55	149	149	0.076
70	3.44	33.36		75	3.44	33.37		26.56	148	148	0.113
93	3.46	33.39		100	3.46	33.40		26.59	146	146	0.150
116	3.47	33.41		125	3.49	33.43		26.61	144	144	0.187
139	3.53	33.45		150	3.53	33.46		26.63	142	142	0.222
195	3.50	33.48		200	3.49	33.49		26.65	139	140	0.293
233	3.47	33.53		250	3.48	33.56		26.72	133	135	0.362
299	3.54	33.67		300	3.54	33.67		26.80	126	127	0.428
387	3.62	33.81		400	3.60	33.84		26.92	114	116	0.551
464	3.46	33.95		500	3.42	33.99		27.06	101	104	0.661
543	3.39	34.03		600	3.33	34.10		27.16	92	96	0.761
626	3.30	34.12		700	3.19	34.11		27.18	90	94	0.857
798	3.04	34.08		800	3.04	34.08		27.17	90	95	0.952
983	2.89	34.28									

STATION OS73016

LATITUDE 52-39 N LONGITUDE 172-30 W DATE 73-06-14 19.7 (GMT) DEPTH 650 COL. 06 TR. 09
SEA 34 2A SWELL 03 1A WIND 34 03F AIR TEMP. DRY 04.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.60	33.25		0	4.60	33.25		26.36	168	167	0.000
10	4.08	33.25		10	4.08	33.25		26.41	162	162	0.017
20	3.69	33.29		20	3.69	33.29		26.48	156	156	0.032
30	3.26	33.34		30	3.26	33.34		26.56	148	148	0.048
49	3.15	33.37		50	3.15	33.37		26.60	145	145	0.077
74	3.28	33.43		75	3.29	33.43		26.63	141	142	0.113
99	3.39	33.46		100	3.39	33.46		26.64	140	141	0.148
123	3.44	33.46		125	3.44	33.46		26.64	141	141	0.184
148	3.47	33.49		150	3.47	33.49		26.66	138	139	0.219
192	3.50	33.56		200	3.49	33.57		26.72	133	134	0.287
241	3.45	33.59		250	3.46	33.60		26.75	130	132	0.354
289	3.51	33.65		300	3.51	33.67		26.80	125	127	0.419
387	3.47	33.84		400	3.46	33.86		26.95	111	113	0.540
485	3.43	33.93									

STATION OS73017

LATITUDE 52-40 N LONGITUDE 172-10 W DATE 73-06-14 22.6 (GMT) DEPTH 490 COL. 05 TR. 10
SEA 29 2A SWELL 03 1A WIND 29 02F AIR TEMP. DRY 05.6 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.50	33.11		0	5.50	33.11		26.14	188	187	0.000
10	4.48	32.98		10	4.48	32.98		26.15	187	186	0.019
20	4.36	33.05		20	4.36	33.05		26.22	180	180	0.037
29	4.19	33.13		30	4.18	33.13		26.31	172	172	0.055
49	4.17	33.14		50	4.17	33.14		26.31	172	172	0.089
73	4.17	33.14		75	4.17	33.14		26.31	172	172	0.132
98	4.13	33.16		100	4.11	33.18		26.35	168	169	0.175
122	3.86	33.37		125	3.85	33.38		26.54	150	151	0.215
147	3.83	33.42		150	3.82	33.42		26.57	147	148	0.253
183	3.72	33.43		200	3.71	33.46		26.61	143	145	0.326
230	3.72	33.51		250	3.73	33.53		26.67	138	140	0.397
293	3.72	33.57		300	3.71	33.58		26.71	134	136	0.466
313	3.69	33.60									

STATION OS73018

LATITUDE 52-46 N LONGITUDE 171-55 W DATE 73-06-15 01.0 (GMT) DEPTH 1100 COL. 05 TR. 10
SEA 31 3A SWELL 32 1A WIND 31 03F AIR TEMP. DRY 05.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.20	32.42		0	5.20	32.42		25.63	236	236	0.000
10	4.42	32.83		10	4.42	32.83		26.04	197	197	0.022
19	4.29	32.98		20	4.28	32.98		26.18	184	184	0.041
29	4.24	32.99		30	4.24	32.99		26.19	183	183	0.059
48	4.16	33.07		50	4.15	33.09		26.27	175	175	0.095
72	4.02	33.27		75	4.01	33.28		26.44	159	160	0.137
97	3.98	33.32		100	3.98	33.32		26.48	156	157	0.177
121	4.01	33.33		125	4.01	33.33		26.48	155	156	0.216
145	4.02	33.36		150	4.02	33.36		26.50	154	154	0.255
195	4.00	33.38		200	3.99	33.39		26.53	151	152	0.332
244	3.85	33.49		250	3.84	33.50		26.64	141	143	0.406
287	3.81	33.58		300	3.77	33.59		26.71	134	136	0.476
380	3.54	33.60		400	3.52	33.62		26.76	130	132	0.610
474	3.49	33.70		500	3.47	33.74		26.86	120	123	0.738
568	3.40	33.82		600	3.36	33.84		26.95	111	115	0.858
663	3.31	33.87		700	3.30	33.90		27.00	106	111	0.972
759	3.33	33.95									

STATION OS73019

LATITUDE 53-04 N LONGITUDE 171-50 W DATE 73-06-15 04.0 (GMT) DEPTH 2260 COL. 05 TR. 08
SEA 30 2A SWELL 34 1A WIND 30 03F AIR TEMP. DRY 05.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.10	32.76		0	5.10	32.76		25.91	210	209	0.000
10	4.81	32.76		10	4.81	32.76		25.95	207	206	0.021
19	4.67	32.76		20	4.68	32.76		25.96	205	205	0.041
29	4.66	32.75		30	4.60	32.75		25.96	205	205	0.062
48	3.38	32.76		50	3.32	32.76		26.09	192	192	0.102
72	3.02	32.77		75	2.99	32.77		26.13	189	189	0.150
96	2.80	32.80		100	2.74	32.80		26.18	185	185	0.196
120	2.50	32.80		125	2.49	32.80		26.20	183	183	0.243
144	2.58	32.81		150	2.66	32.82		26.20	182	183	0.288
192	3.28	32.95		200	3.35	32.98		26.26	176	177	0.379
240	3.55	33.08		250	3.58	33.09		26.33	170	171	0.466
281	3.63	33.11		300	3.63	33.14		26.36	167	168	0.551
376	3.57	33.27		400	3.56	33.31		26.51	153	155	0.713
472	3.52	33.43		500	3.50	33.46		26.64	141	144	0.863
569	3.45	33.52		600	3.42	33.52		26.69	136	140	1.006
667	3.35	33.52		700	3.32	33.57		26.74	131	135	1.144
764	3.26	33.68		800	3.21	33.70		26.85	121	125	1.274
961	2.97	33.71		1000	2.91	33.74		26.91	115	120	1.521
1160	2.66	33.87		1200	2.61	33.89		27.06	101	106	1.749
1459	2.32	33.97									

STATION OS73020

LATITUDE 53-45 N LONGITUDE 172-01 W DATE 73-06-15 21.8 (GMT) DEPTH 3315 COL. 05 TR. 12
SEA 32 3A SWELL 31 1A WIND 32 04F AIR TEMP. DRY 05.7 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.40	33.18		0	5.40	33.18		26.21	181	181	0.000
9	5.07	33.18		10	5.05	33.18		26.25	178	177	0.018
18	4.92	33.19		20	4.88	33.19		26.28	175	175	0.036
27	4.68	33.19		30	4.52	33.19		26.32	171	171	0.053
45	3.65	33.22		50	3.48	33.23		26.45	159	159	0.086
68	3.07	33.24		75	2.92	33.25		26.52	152	152	0.125
91	2.67	33.26		100	2.60	33.26		26.56	148	149	0.163
113	2.55	33.27		125	2.56	33.28		26.58	147	147	0.200
136	2.60	33.30		150	2.74	33.34		26.60	144	144	0.236
183	3.13	33.44		200	3.29	33.49		26.68	137	138	0.307
219	3.44	33.54		250	3.53	33.61		26.75	130	132	0.375
264	3.54	33.64		300	3.60	33.71		26.83	123	125	0.439
352	3.64	33.81		400	3.60	33.89		26.97	109	112	0.558
442	3.53	33.96		500	3.41	34.04		27.10	97	100	0.665
532	3.35	34.07		600	3.31	34.07		27.14	94	97	0.764
622	3.30	34.07		700	3.23	34.17		27.23	85	90	0.858
713	3.21	34.19		800	3.08	34.22		27.28	80	85	0.946
897	2.92	34.24		1000	2.78	34.31		27.38	71	76	1.108
1081	2.68	34.37		1200	2.53	34.42		27.49	60	66	1.251
1361	2.33	34.46									

STATION OS73021

LATITUDE 54-30 N LONGITUDE 172-03 W DATE 73-06-16 04.4 (GMT) DEPTH 3492 COL. 04 TR. 13
SEA 32 3A SWELL 31 1A WIND 32 04F AIR TEMP. DRY 05.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.10	33.04		0	5.10	33.04		26.13	189	188	0.000
9	4.93	33.07		10	4.93	33.07		26.18	184	184	0.019
18	4.89	33.08		20	4.85	33.08		26.19	183	183	0.037
27	4.62	33.08		30	4.43	33.08		26.24	179	178	0.055
44	3.47	33.10		50	3.21	33.12		26.39	164	164	0.090
66	2.80	33.17		75	2.76	33.18		26.48	156	156	0.130
87	2.79	33.20		100	2.80	33.23		26.51	153	153	0.168
108	2.82	33.25		125	2.89	33.28		26.55	150	150	0.206
130	2.92	33.29		150	3.13	33.35		26.58	146	146	0.244
175	3.39	33.44		200	3.50	33.50		26.67	138	139	0.315
209	3.53	33.52		250	3.63	33.61		26.74	131	132	0.383
286	3.66	33.69		300	3.65	33.72		26.82	123	125	0.448
363	3.57	33.82		400	3.52	33.88		26.96	110	113	0.567
440	3.47	33.93		500	3.42	34.01		27.08	99	102	0.675
596	3.35	34.10		600	3.35	34.10		27.16	91	95	0.775
689	3.25	34.12		700	3.24	34.12		27.19	89	93	0.870
763	3.15	34.14		800	3.10	34.17		27.24	84	89	0.961
935	2.90	34.30		1000	2.81	34.33		27.39	70	75	1.126
1070	2.72	34.35		1200	2.55	34.40		27.47	62	68	1.271
1204	2.54	34.40									

STATION OS73022

LATITUDE 55-15 N LONGITUDE 172-00 W DATE 73-06-16 22.2 (GMT) DEPTH 3455 COL. 05 TR. 08
SEA 31 3A SWELL 34 1A WIND 31 04F AIR TEMP. DRY 05.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.60	33.19		0	5.60	33.19		26.19	183	183	0.000
8	5.35	33.17		10	5.34	33.17		26.21	181	181	0.018
15	5.29	33.18		20	5.07	33.19		26.25	177	177	0.036
23	4.87	33.19		30	4.16	33.20		26.37	167	167	0.053
38	3.34	33.23		50	2.79	33.29		26.57	148	148	0.085
57	2.66	33.33		75	2.62	33.35		26.62	142	142	0.121
76	2.63	33.35		100	2.95	33.45		26.67	138	138	0.156
113	3.13	33.50		125	3.19	33.52		26.71	134	135	0.191
135	3.25	33.53		150	3.45	33.59		26.74	131	132	0.224
151	3.46	33.59		200	3.63	33.73		26.83	122	123	0.288
201	3.63	33.73		250	3.67	33.85		26.93	114	115	0.348
270	3.66	33.89		300	3.63	33.95		27.01	106	108	0.404
340	3.57	34.01		400	3.48	34.04		27.10	97	100	0.508
491	3.35	34.12		500	3.34	34.14		27.19	88	92	0.604
554	3.29	34.27		600	3.23	34.32		27.34	74	78	0.689
640	3.18	34.34		700	3.11	34.38		27.40	69	73	0.765
703	3.11	34.38		800	2.97	34.45		27.47	62	67	0.836
856	2.89	34.48		1000	2.69	34.54		27.57	52	58	0.962
1094	2.57	34.57									

STATION OS73023

LATITUDE 56-00 N LONGITUDE 172-00 W DATE 73-06-17 07.0 (GMT) DEPTH 3188 COL. 06 TR. 07
SEA 30 3A SWELL 29 1A WIND 30 04F AIR TEMP. DRY 05.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.50	33.00		0	5.50	33.00		26.06	196	196	0.000
9	5.29	33.01		10	5.23	33.01		26.10	192	192	0.019
18	4.67	33.07		20	4.49	33.03		26.19	183	183	0.038
28	3.85	33.05		30	3.77	33.05		26.28	174	174	0.056
46	3.47	33.07		50	3.40	33.09		26.35	168	168	0.091
69	3.15	33.20		75	3.08	33.21		26.47	156	156	0.131
92	2.96	33.23		100	2.96	33.25		26.51	153	153	0.170
115	2.99	33.27		125	2.97	33.28		26.54	151	151	0.208
138	2.93	33.28		150	2.86	33.28		26.55	149	149	0.246
184	2.78	33.32		200	2.94	33.37		26.61	144	144	0.319
223	3.23	33.44		250	3.45	33.51		26.68	137	138	0.390
285	3.64	33.60		300	3.67	33.63		26.75	130	132	0.458
357	3.65	33.73		400	3.57	33.81		26.91	115	118	0.583
430	3.51	33.87		500	3.43	33.97		27.05	102	105	0.695
590	3.35	34.06		600	3.34	34.07		27.13	94	98	0.797
661	3.25	34.09		700	3.20	34.10		27.17	90	95	0.894
735	3.15	34.11		800	3.06	34.16		27.23	84	89	0.986
895	2.92	34.25		1000	2.78	34.31		27.38	71	76	1.153
1141	2.61	34.36									

STATION OS73024

LATITUDE 55-33 N LONGITUDE 173-32 W DATE 73-06-17 22.2 (GMT) DEPTH 3497 COL. 06 TR. 05
SEA 31 2A SWELL 31 1A WIND 31 03F AIR TEMP. DRY 05.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.80	32.86		0	5.80	32.86		25.91	210	210	0.000
10	5.65	32.82		10	5.65	32.82		25.90	211	211	0.021
20	3.33	32.87		20	3.33	32.87		26.18	184	184	0.041
30	3.18	32.88		30	3.18	32.88		26.20	182	182	0.059
49	2.92	32.89		50	2.91	32.89		26.24	179	179	0.095
74	2.77	32.99		75	2.78	32.99		26.33	170	170	0.139
99	2.97	33.08		100	2.97	33.08		26.38	165	165	0.181
123	2.93	33.11		125	2.91	33.11		26.41	163	163	0.222
148	2.75	33.13		150	2.75	33.14		26.44	159	160	0.263
195	3.01	33.27		200	3.04	33.28		26.53	151	151	0.341
245	3.29	33.37		250	3.30	33.38		26.59	146	147	0.416
293	3.36	33.45		300	3.38	33.46		26.65	140	142	0.488
392	3.59	33.62		400	3.59	33.63		26.76	129	132	0.625
490	3.55	33.76		500	3.55	33.77		26.88	118	121	0.752
589	3.55	33.88		600	3.54	33.90		26.98	109	113	0.870
687	3.41	34.03		700	3.40	34.04		27.11	96	101	0.977
786	3.32	34.12		800	3.30	34.13		27.19	89	94	1.075
984	3.00	34.24		1000	2.98	34.25		27.31	77	83	1.253
1134	2.85	34.30		1200	2.77	34.33		27.39	69	76	1.413
1482	2.33	34.45									

STATION OS73025

LATITUDE 55-14 N LONGITUDE 174-59 W DATE 73-06-18 04.7 (GMT) DEPTH 3690 COL. 04 TR. 10
SEA 21 2A SWELL 25 1A WIND 21 03F AIR TEMP. DRY 05.6 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.20	33.42		0	6.20	33.42		26.30	173	172	0.000
10	5.88	33.43		10	5.88	33.43		26.35	168	168	0.017
19	5.45	33.42		20	5.32	33.42		26.41	163	163	0.034
29	4.06	33.41		30	3.98	33.41		26.55	149	149	0.049
48	2.79	33.43		50	2.72	33.43		26.68	137	137	0.078
72	2.30	33.43		75	2.26	33.43		26.72	133	133	0.112
96	2.06	33.45		100	2.04	33.45		26.75	130	130	0.145
120	2.03	33.45		125	2.04	33.45		26.75	130	130	0.178
144	2.17	33.47		150	2.31	33.50		26.77	129	129	0.210
194	3.38	33.72		200	3.44	33.74		26.87	119	120	0.273
243	3.63	33.86		250	3.63	33.86		26.94	112	114	0.331
277	3.62	33.86		300	3.61	33.90		26.98	109	111	0.388
370	3.58	34.08		400	3.55	34.13		27.16	91	94	0.491
463	3.48	34.21		500	3.43	34.25		27.27	81	84	0.580
557	3.34	34.31		600	3.28	34.34		27.36	73	77	0.661
651	3.22	34.38		700	3.18	34.41		27.42	66	71	0.735
746	3.14	34.44		800	3.07	34.46		27.47	62	67	0.805
936	2.87	34.51		1000	2.79	34.54		27.56	54	60	0.933
1128	2.64	34.59		1200	2.55	34.62		27.64	46	52	1.046
1418	2.28	34.68									

STATION OS73026

LATITUDE 56-00 N LONGITUDE 175-00 W DATE 73-06-18 21.5 (GMT) DEPTH 3620 COL. 04 TR. 09
SEA 16 4A SWELL 18 1A WIND 16 05F AIR TEMP. DRY 06.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.70	33.40		0	5.70	33.40		26.35	168	168	0.000
8	5.35	33.40		10	5.34	33.40		26.39	164	164	0.017
15	5.30	33.40		20	4.19	33.40		26.52	152	152	0.033
23	3.52	33.40		30	3.26	33.40		26.61	144	143	0.047
47	2.62	33.41		50	2.52	33.41		26.68	137	136	0.075
63	2.20	33.43		75	2.20	33.44		26.73	132	132	0.109
94	2.20	33.45		100	2.17	33.45		26.74	131	131	0.142
109	2.12	33.46		125	2.04	33.46		26.76	129	129	0.175
126	2.04	33.46		150	2.13	33.47		26.76	130	130	0.207
159	2.23	33.48		200	3.35	33.72		26.86	120	121	0.270
209	3.60	33.78		250	3.68	33.88		26.95	112	113	0.329
261	3.62	33.89		300	3.58	33.97		27.03	103	105	0.384
313	3.56	34.00		400	3.53	34.12		27.15	92	95	0.484
425	3.52	34.14		500	3.45	34.22		27.24	83	87	0.576
534	3.41	34.25		600	3.38	34.30		27.31	77	81	0.660
650	3.35	34.33		700	3.28	34.36		27.37	71	76	0.739
738	3.21	34.39		800	3.11	34.44		27.45	64	69	0.812
827	3.07	34.46									

STATION OS73027

LATITUDE 56-45 N LONGITUDE 175-00 W DATE 73-06-19 03.0 (GMT) DEPTH 3293 COL. 07 TR. 03
SEA 15 4A SWELL 16 1A WIND 15 05F AIR TEMP. DRY 06.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.70	33.14		0	5.70	33.14		26.14	188	187	0.000
8	5.35	33.15		10	5.39	33.15		26.19	184	183	0.019
16	5.50	33.15		20	5.07	33.16		26.23	180	180	0.037
23	4.65	33.16		30	3.89	33.17		26.36	167	167	0.054
39	2.92	33.18		50	2.72	33.20		26.49	154	154	0.086
58	2.58	33.21		75	2.33	33.22		26.55	149	149	0.124
97	2.12	33.23		100	2.10	33.23		26.57	147	147	0.162
117	2.10	33.23		125	2.22	33.25		26.58	146	146	0.199
142	2.58	33.32		150	2.77	33.35		26.61	143	144	0.235
192	3.55	33.50		200	3.59	33.53		26.68	137	138	0.306
226	3.63	33.62		250	3.62	33.68		26.80	125	127	0.372
289	3.57	33.77		300	3.56	33.80		26.89	116	118	0.434
370	3.48	33.93		400	3.44	33.96		27.04	103	105	0.546
465	3.37	34.01		500	3.36	34.03		27.10	97	100	0.649
567	3.33	34.06		600	3.29	34.08		27.15	92	96	0.748
637	3.24	34.11		700	3.16	34.16		27.23	85	89	0.841
706	3.15	34.17									

STATION OS73028

LATITUDE 57-02 N LONGITUDE 174-01 W DATE 73-06-19 08.5 (GMT) DEPTH 955 COL. TR.
SEA 15 4A SWELL 16 2A WIND 15 05F AIR TEMP. DRY 05.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.50	32.62		0	5.50	32.62		25.76	225	224	0.000
7	5.67	32.60		10	5.67	32.60		25.72	228	228	0.023
13	5.65	32.60		20	5.63	32.61		25.73	227	227	0.045
21	5.62	32.61		30	4.82	32.70		25.90	211	211	0.067
49	3.13	32.96		50	3.10	32.97		26.28	175	175	0.106
66	2.88	33.10		75	2.87	33.13		26.43	161	161	0.148
82	2.88	33.14		100	2.87	33.21		26.49	155	155	0.188
101	2.87	33.21		125	2.79	33.24		26.52	152	152	0.226
129	2.78	33.24		150	2.80	33.27		26.54	150	150	0.264
163	2.82	33.28		200	2.85	33.29		26.56	149	149	0.339
202	2.85	33.29		250	3.13	33.48		26.68	137	138	0.411
256	3.18	33.51		300	3.46	33.69		26.82	124	125	0.477
310	3.52	33.73									

STATION OS73029

LATITUDE 57-15 N LONGITUDE 172-58 W DATE 73-06-19 13.5 (GMT) DEPTH 123 COL. TR
SEA 13 4A SWELL 17 2A WIND 13 05F AIR TEMP. DRY 05.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.00	32.36		0	5.00	32.36		25.61	239	238	0.000
8	5.12	32.34		10	5.11	32.34		25.58	241	241	0.024
16	5.09	32.34		20	4.28	32.32		25.65	234	234	0.048
24	3.47	32.30		30	3.02	32.31		25.76	224	224	0.071
40	2.26	32.37		50	2.36	32.48		25.95	206	206	0.114
60	2.46	32.62		75	2.69	32.84		26.22	181	181	0.162
80	2.75	32.91		100	2.78	33.00		26.33	170	170	0.206
101	2.77	33.00									

STATION OS73030

LATITUDE 57-39 N LONGITUDE 172-04 W DATE 73-06-19 17.7 (GMT) DEPTH 112 COL. 05 TR. 10
SEA 13 4A SWELL 22 2A WIND 13 05F AIR TEMP. DRY 04.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.90	32.09		0	4.90	32.09		25.41	258	258	0.000
8	4.86	32.06		10	4.86	32.06		25.38	260	260	0.026
16	4.86	32.06		20	4.10	32.07		25.47	252	252	0.052
25	3.16	32.08		30	2.57	32.10		25.63	236	236	0.076
33	2.31	32.12		50	1.52	32.25		25.83	218	218	0.121
61	1.74	32.36									

STATION OS73031

LATITUDE 57-45 N LONGITUDE 173-04 W DATE 73-06-19 21.5 (GMT) DEPTH 122 COL. 05 TR. 12
SEA 12 5A SWELL 14 2A WIND 12 06F AIR TEMP. DRY 04.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.90	31.96		0	4.90	31.96		25.30	268	267	0.000
8	4.94	31.93		10	4.95	31.92		25.27	271	271	0.027
15	4.77	31.95		20	3.85	32.11		25.53	247	246	0.053
23	3.30	32.21		30	3.11	32.28		25.73	227	226	0.077
38	2.90	32.30		50	2.45	32.36		25.85	216	216	0.121
57	2.24	32.40		75	2.22	32.55		26.02	200	200	0.173
76	2.24	32.56									

STATION OS73032

LATITUDE 58-20 N LONGITUDE 174-08 W DATE 73-06-20 01.2 (GMT) DEPTH 825 COL. 05 TR. 08
SEA 11 5A SWELL 14 2A WIND 11 06F AIR TEMP. DRY 04.4 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.00	32.35		0	5.00	32.35		25.60	239	239	0.000
7	4.90	32.34		10	4.89	32.34		25.60	239	239	0.024
15	4.88	32.34		20	4.87	32.34		25.60	239	239	0.048
22	4.83	32.34		30	4.00	32.41		25.76	225	225	0.071
37	3.27	32.50		50	3.09	32.61		25.99	202	202	0.114
73	2.76	32.73		75	2.74	32.74		26.12	190	190	0.163
91	2.64	32.77		100	2.66	32.80		26.18	184	184	0.210
109	2.71	32.83		125	2.78	32.88		26.24	179	179	0.255
127	2.79	32.89		150	2.79	32.92		26.27	176	176	0.300
185	2.70	32.93		200	2.62	32.94		26.30	173	173	0.388
238	2.50	32.98		250	2.55	33.00		26.35	168	169	0.473
285	2.77	33.06		300	2.85	33.09		26.40	164	165	0.557
346	3.11	33.18		400	3.46	33.32		26.52	152	154	0.717
415	3.56	33.36									

STATION OS73033

LATITUDE 58-16 N LONGITUDE 175-00 W DATE 73-06-21 06.0 (GMT) DEPTH 970 COL. 05 TR. 07
SEA 08 5A SWELL 09 3A WIND 08 06F AIR TEMP. DRY 04.7 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.70	33.05		0	4.70	33.05		26.19	184	183	0.000
7	4.83	33.05		10	4.84	33.05		26.18	185	185	0.018
15	4.82	33.06		20	4.84	33.05		26.17	185	185	0.037
22	4.81	33.05		30	3.91	33.09		26.30	173	173	0.055
37	3.12	33.14		50	2.93	33.18		26.46	157	157	0.088
55	2.86	33.19		75	2.60	33.22		26.53	151	151	0.127
91	2.45	33.24		100	2.43	33.25		26.56	148	149	0.164
124	2.44	33.26		125	2.44	33.26		26.57	147	148	0.202
140	2.40	33.27		150	2.32	33.27		26.58	146	146	0.238
186	2.25	33.29		200	2.47	33.33		26.62	143	143	0.311
218	2.84	33.38		250	3.41	33.48		26.66	139	140	0.382
251	3.43	33.48		300	3.49	33.58		26.73	132	134	0.451
390	3.60	33.74		400	3.59	33.76		26.87	119	122	0.579
445	3.55	33.86		500	3.53	33.92		27.00	107	110	0.695
511	3.52	33.93		600	3.42	34.03		27.10	97	101	0.802
646	3.34	34.09									

STATION OS73034

LATITUDE 58-30 N LONGITUDE 174-00 W DATE 73-06-22 11.4 (GMT) DEPTH 135 COL. TR.
SEA 11 4A SWELL 11 2A WIND 11 05F AIR TEMP. DRY 05.0 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.50	32.67		0	4.50	32.67		25.91	210	210	0.000
9	4.45	32.67		10	4.45	32.67		25.91	210	210	0.021
18	4.46	32.67		20	4.47	32.67		25.91	210	210	0.042
27	4.39	32.68		30	4.10	32.71		25.98	203	203	0.063
44	2.77	32.90		50	2.73	32.94		26.29	174	174	0.101
66	2.64	33.02		75	2.62	33.07		26.40	163	163	0.143
88	2.60	33.13		100	2.60	33.15		26.47	157	157	0.183
110	2.60	33.14									

STATION OS73035

LATITUDE 58-43 N LONGITUDE 173-02 W DATE 73-06-22 16.7 (GMT) DEPTH 117 COL. 06 TR. 07
SEA 11 4A SWELL 11 1A WIND 11 05F AIR TEMP. DRY 04.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.40	32.26		0	3.40	32.26		25.69	231	231	0.000
9	3.31	32.25		10	3.31	32.25		25.69	231	231	0.023
17	3.32	32.25		20	3.35	32.24		25.68	232	231	0.046
26	3.30	32.26		30	2.86	32.35		25.80	220	220	0.069
43	1.45	32.66		50	1.38	32.71		26.21	182	182	0.109
65	1.22	32.72		75	1.18	32.72		26.23	180	179	0.154
87	1.17	32.72		100	1.15	32.72		26.23	180	179	0.199
108	1.15	32.72									

STATION OS73036

LATITUDE 59-00 N LONGITUDE 172-00 W DATE 73-06-22 21.6 (GMT) DEPTH 96 COL. 05 TR. 12
SEA 09 2A SWELL 12 2A WIND 09 03F AIR TEMP. DRY 04.2 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.00	31.71		0	4.00	31.71		25.20	278	277	0.000
10	3.48	31.69		10	3.48	31.69		25.23	275	274	0.028
19	3.43	31.69		20	3.42	31.67		25.22	275	275	0.055
29	3.33	31.69		30	2.86	31.75		25.33	265	265	0.082
38	-0.88	32.31		50	-1.97	32.61		26.26	176	176	0.126
57	-0.22	32.51									

STATION OS73037

LATITUDE 59-00 N LONGITUDE 170-00 W DATE 73-06-23 23.0 (GMT) DEPTH 69 COL. 05 TR. 14
SEA 34 2A SWELL 02 1A WIND 33 03F AIR TEMP. DRY 03.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	2.30	31.68		0	2.30	31.68		25.32	266	266	0.000
10	1.66	31.66		10	1.66	31.66		25.35	264	263	0.027
20	1.08	31.66		20	1.08	31.66		25.38	260	260	0.053
30	1.03	31.66		30	1.03	31.66		25.39	260	259	0.079
49	-1.17	31.78		50	-1.21	31.78		25.58	242	241	0.129
60	-1.19	31.78									

STATION OS73038

LATITUDE 59-00 N LONGITUDE 168-00 W DATE 73-06-24 04.9 (GMT) DEPTH 44 COL. 04 TR. 10
SEA 33 3A SWELL 34 1A WIND 33 04F AIR TEMP. DRY 04.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	2.60	30.98		0	2.60	30.98		24.74	322	321	0.000
10	2.37	30.96		10	2.37	30.96		24.74	321	321	0.032
20	1.76	31.03		20	1.76	31.03		24.84	312	312	0.064
29	1.73	31.07		30	1.73	31.07		24.87	309	308	0.095
39	1.74	31.09									

STATION OS73039

LATITUDE 58-00 N LONGITUDE 168-00 W DATE 73-06-25 00.1 (GMT) DEPTH 69 COL. 05 TR. 15
SEA 33 4A SWELL 33 1A WIND 33 05F AIR TEMP. DRY 02.5 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	1.80	31.74		0	1.80	31.74		25.40	258	258	0.000
9	1.47	31.75		10	1.46	31.75		25.43	255	255	0.026
19	1.40	31.75		20	1.37	31.75		25.44	255	255	0.051
28	1.07	31.76		30	0.98	31.76		25.47	252	251	0.077
47	0.06	31.79									

STATION OS73040

LATITUDE 57-20 N LONGITUDE 167-59 W DATE 73-06-25 03.8 (GMT) DEPTH 77 COL. 05 TR. 09
SEA 33 4A SWELL 33 1A WIND 33 05F AIR TEMP. DRY 03.1 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.60	31.63		0	3.60	31.63		25.17	280	280	0.000
9	3.16	31.62		10	3.15	31.62		25.20	277	277	0.028
18	3.13	31.62		20	3.16	31.62		25.20	278	277	0.056
27	3.02	31.62		30	2.37	31.66		25.29	268	268	0.083
45	-0.86	31.87		50	-1.32	31.90		25.68	232	231	0.133
67	-0.88	31.89									

STATION OS73041

LATITUDE 56-20 N LONGITUDE 168-00 W DATE 73-06-25 22.5 (GMT) DEPTH 146 COL. 05 TR. 14
SEA 35 2A SWELL 33 1A WIND 35 02F AIR TEMP. DRY 04.9 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.50	32.01		0	5.50	32.01		25.28	270	270	0.000
10	5.14	32.01		10	5.14	32.01		25.32	266	266	0.027
20	4.95	32.03		20	4.95	32.03		25.35	263	263	0.053
29	4.93	32.09		30	4.93	32.10		25.41	257	257	0.079
49	4.64	32.32		50	4.58	32.33		25.63	236	236	0.129
73	3.33	32.65		75	3.31	32.68		26.03	198	199	0.183
99	3.22	32.97		100	3.20	32.98		26.28	175	175	0.230
123	2.27	33.00									

STATION OS73042

LATITUDE 55-20 N LONGITUDE 168-00 W DATE 73-06-26 04.0 (GMT) DEPTH 408 COL. 05 TR. 04
SEA 33 1A SWELL 32 1A WIND 33 02F AIR TEMP. DRY 05.0 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.80	32.49		0	5.80	32.49		25.62	238	237	0.000
10	5.27	32.49		10	5.27	32.49		25.68	232	232	0.024
19	5.22	32.49		20	5.19	32.51		25.70	230	230	0.047
29	4.89	32.67		30	4.87	32.68		25.87	213	213	0.069
48	4.53	32.80		50	4.48	32.83		26.03	198	198	0.110
72	3.96	33.09		75	3.88	33.11		26.32	171	171	0.156
97	3.46	33.19		100	3.45	33.20		26.43	161	161	0.198
121	3.45	33.24		125	3.43	33.25		26.47	156	157	0.238
145	3.27	33.29		150	3.20	33.29		26.53	151	152	0.277
191	2.80	33.32		200	2.85	33.34		26.59	145	146	0.351
238	3.20	33.43		250	3.30	33.47		26.66	138	140	0.423
284	3.52	33.60		300	3.59	33.65		26.77	128	130	0.490
381	3.60	33.77									

STATION OS73043

LATITUDE 55-30 N LONGITUDE 166-29 W DATE 73-06-26 23.6 (GMT) DEPTH 135 COL. 05 TR. 09
SEA SWELL 35 1A WIND CALM AIR TEMP. DRY 04.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.00		0	6.60	32.00		25.13	284	283	0.000
10	5.31	31.97		10	5.31	31.97		25.27	271	271	0.028
20	5.08	31.98		20	5.08	31.98		25.30	268	268	0.055
30	4.44	31.98		30	4.44	31.98		25.37	262	261	0.081
50	4.30	32.05		50	4.30	32.05		25.44	255	255	0.133
75	3.31	32.49		75	3.31	32.49		25.88	213	213	0.192
100	3.08	32.77		100	3.08	32.77		26.12	190	190	0.242
125	3.13	32.81		125	3.13	32.81		26.15	187	187	0.289

STATION OS73044

LATITUDE 55-30 N LONGITUDE 165-00 W DATE 73-06-27 04.0 (GMT) DEPTH 110 COL. 05 TR. 10
SEA 29 1A SWELL 31 1A WIND 20 01F AIR TEMP. DRY 05.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	31.98		0	6.80	31.98		25.09	288	287	0.000
10	5.58	31.98		10	5.58	31.98		25.24	273	273	0.028
20	5.07	31.99		20	5.07	31.99		25.31	267	267	0.055
30	4.62	32.01		30	4.62	32.01		25.37	261	261	0.082
49	4.06	32.12		50	4.05	32.13		25.53	246	246	0.132
74	3.81	32.49		75	3.79	32.50		25.84	216	216	0.190
99	3.22	32.70									

STATION OS73045

LATITUDE 56-04 N LONGITUDE 165-05 W DATE 73-06-28 08.3 (GMT) DEPTH 98 COL. 04 TR. 10
SEA SWELL 18 1A WIND CALM AIR TEMP. DRY 06.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.20	31.88		0	6.20	31.88		25.09	288	288	0.000
10	5.52	31.88		10	5.52	31.88		25.17	280	280	0.028
20	4.89	31.88		20	4.89	31.88		25.24	274	273	0.056
30	4.22	31.89		30	4.22	31.89		25.32	266	266	0.083
50	4.20	31.94		50	4.20	31.94		25.36	262	262	0.136
75	2.76	31.91		75	2.76	31.91		25.47	252	252	0.201

STATION OS73046

LATITUDE 56-30 N LONGITUDE 165-00 W DATE 73-06-29 08.0 (GMT) DEPTH 80 COL. 05 TR. 13
SEA 09 3A SWELL 09 1A WIND 09 04F AIR TEMP. DRY 05.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.50	31.63		0	4.50	31.63		25.08	289	288	0.000
10	3.97	31.63		10	3.97	31.63		25.14	284	283	0.029
19	2.83	31.63		20	2.79	31.63		25.24	274	273	0.057
29	2.42	31.63		30	2.26	31.64		25.29	269	269	0.084
48	-0.59	31.79		50	-0.66	31.79		25.57	242	242	0.135
63	-0.63	31.80		75	-0.66	31.80		25.58	242	241	0.195
77	-0.66	31.80									

STATION OS73047

LATITUDE 57-00 N LONGITUDE 165-00 W DATE 73-06-30 07.7 (GMT) DEPTH 72 COL. 05 TR. 13
SEA 06 1A SWELL 05 3A WIND 06 01F AIR TEMP. DRY 04.0 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.30	31.72		0	3.30	31.72		25.27	271	271	0.000
10	2.97	31.73		10	2.97	31.73		25.30	267	267	0.027
20	2.88	31.74		20	2.88	31.74		25.32	266	266	0.054
29	1.42	31.79		30	1.35	31.79		25.47	252	251	0.080
49	1.05	31.81		50	1.04	31.81		25.51	248	248	0.130
64	1.04	31.81									

STATION OS73048

LATITUDE 57-31 N LONGITUDE 165-00 W DATE 73-06-30 21.5 (GMT) DEPTH 66 COL. 05 TR. 14
SEA 18 2A SWELL 18 2A WIND 18 03F AIR TEMP. DRY 04.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.00	31.85		0	4.00	31.85		25.31	267	267	0.000
10	3.14	31.84		10	3.14	31.84		25.38	261	260	0.026
19	1.55	31.90		20	1.48	31.90		25.55	244	244	0.052
29	1.22	31.91		30	1.21	31.91		25.58	242	241	0.076
49	1.22	31.91		50	1.22	31.91		25.57	242	241	0.124
58	1.22	31.91									

STATION OS73049

LATITUDE 58-00 N LONGITUDE 165-00 W DATE 73-07-02 08.0 (GMT) DEPTH 48 COL. 04 TR. 15
SEA SWELL 21 1A WIND CALM AIR TEMP. DRY 05.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.20	31.89		0	5.20	31.89		25.21	276	276	0.000
10	3.56	31.88		10	3.56	31.88		25.37	261	261	0.027
20	3.45	31.87		20	3.45	31.87		25.37	261	261	0.053
29	3.42	31.87		30	3.42	31.87		25.38	261	260	0.079
45	3.42	31.88									

STATION OS73050

LATITUDE 57-58 N LONGITUDE 166-31 W DATE 73-07-02 22.2 (GMT) DEPTH 63 COL. 05 TR. 11
SEA 12 2A SWELL 20 1A WIND 12 03F AIR TEMP. DRY 04.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.40	31.65		0	4.40	31.65		25.11	286	286	0.000
10	2.16	31.62		10	2.16	31.62		25.28	270	270	0.028
20	1.54	31.61		20	1.54	31.61		25.31	267	266	0.055
30	1.52	31.61		30	1.52	31.61		25.32	266	266	0.081
49	1.46	31.61		50	1.46	31.61		25.32	266	266	0.135
60	1.42	31.61									

STATION OS73051

LATITUDE 57-30 N LONGITUDE 166-29 W DATE 73-07-03 01.4 (GMT) DEPTH 70 COL. 05 TR. 12
SEA 11 2A SWELL 20 1A WIND 11 03F AIR TEMP. DRY 05.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.20	31.68		0	4.20	31.68		25.15	282	282	0.000
10	3.77	31.68		10	3.77	31.68		25.19	278	278	0.028
20	1.97	31.69		20	1.97	31.69		25.35	263	263	0.055
30	0.94	31.69		30	0.94	31.69		25.41	257	257	0.081
49	0.93	31.70		50	0.93	31.70		25.42	256	256	0.132
64	0.91	31.70									

STATION OS73052

LATITUDE 57-01 N LONGITUDE 166-31 W DATE 73-07-03 05.1 (GMT) DEPTH 78 COL. 05 TR. 17
SEA 12 1A SWELL 19 1A WIND 12 02F AIR TEMP. DRY 05.6 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.30	31.56		0	5.30	31.56		24.94	302	302	0.000
10	4.07	31.58		10	4.07	31.58		25.09	288	288	0.030
20	2.43	31.66		20	2.43	31.66		25.29	269	268	0.057
29	0.03	31.73		30	0.03	31.73		25.49	249	249	0.083
49	0.01	31.74		50	0.01	31.74		25.50	249	248	0.133
73	0.01	31.74									

STATION OS73053

LATITUDE 56-30 N LONGITUDE 166-29 W DATE 73-07-03 08.5 (GMT) DEPTH 100 COL. TR.
SEA SWELL 19 1A WIND CALM AIR TEMP. DRY 05.6 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.10	31.81		0	6.10	31.81		25.05	292	292	0.000
10	5.70	31.82		10	5.70	31.82		25.10	287	287	0.029
20	4.20	31.84		20	4.20	31.84		25.28	270	270	0.057
30	3.52	31.84		30	3.52	31.84		25.34	264	264	0.084
50	2.02	31.94		50	2.02	31.94		25.55	245	244	0.134
73	1.43	32.09		75	1.40	32.10		25.71	229	228	0.194
98	1.39	32.11									

STATION OS73054

LATITUDE 57-30 N LONGITUDE 164-00 W DATE 73-07-03 18.4 (GMT) DEPTH 54 COL. 04 TR. 12
SEA 17 2A SWELL 16 1A WIND 18 03F AIR TEMP. DRY 05.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.10	32.02		0	5.10	32.02		25.33	265	265	0.000
10	3.67	32.02		10	3.67	32.02		25.47	251	251	0.026
20	2.87	32.02		20	2.87	32.02		25.54	245	244	0.051
29	2.84	32.02		30	2.84	32.02		25.55	244	244	0.075
49	2.86	32.02									

STATION OS73055

LATITUDE 57-56 N LONGITUDE 162-59 W DATE 73-07-03 22.0 (GMT) DEPTH 47 COL. 06 TR. 06
SEA 1/ 2A SWELL 16 1A WIND 17 03F AIR TEMP. DRY 05.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.00	31.75		0	5.00	31.75		25.13	285	284	0.000
8	4.84	31.75		10	4.82	31.75		25.15	283	282	0.028
18	4.77	31.75		20	4.77	31.75		25.15	282	282	0.057
28	4.78	31.75		30	4.78	31.75		25.15	282	282	0.085
43	4.77	31.75									

STATION OS73056

LATITUDE 58-20 N LONGITUDE 162-00 W DATE 73-07-04 01.8 (GMT) DEPTH 48 COL. 04 TR. 08
SEA 14 2A SWELL 20 1A WIND 15 03F AIR TEMP. DRY 07.2 WET BAR. WEATHER X1

	OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	9.50	30.77		0	9.50	30.77		23.76	415	415	0.000
10	7.88	30.89		10	7.88	30.89		24.09	383	383	0.040
20	7.80	30.91		20	7.80	30.91		24.12	380	380	0.078
29	7.78	30.92		30	7.78	30.92		24.13	379	379	0.116
44	7.74	30.92									

STATION OS73057

LATITUDE 57-37 N LONGITUDE 161-39 W DATE 73-07-04 07.2 (GMT) DEPTH 55 COL. 04 TR. 11
SEA SWELL 21 1A WIND CALM AIR TEMP. DRY 06.6 WET BAR. WEATHER X1

	OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.60	31.91		0	4.60	31.91		25.29	268	268	0.000
10	4.07	31.90		10	4.07	31.90		25.34	264	264	0.027
20	4.06	31.90		20	4.06	31.90		25.34	264	264	0.053
30	4.04	31.90		30	4.04	31.90		25.34	264	264	0.080
50	4.03	31.90		50	4.03	31.90		25.34	264	264	0.132

STATION OS73058

LATITUDE 57-15 N LONGITUDE 161-11 W DATE 73-07-04 20.1 (GMT) DEPTH 70 COL. 06 TR. 07
SEA SWELL 25 1A WIND CALM AIR TEMP. DRY 08.9 WET BAR. WEATHER X1

	OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.90	31.77		0	7.90	31.77		24.78	318	317	0.000
10	4.20	31.82		10	4.20	31.82		25.26	271	271	0.029
18	2.72	31.83		20	2.69	31.83		25.41	258	257	0.056
28	2.57	31.83		30	2.56	31.83		25.42	257	257	0.082
48	2.57	31.83		50	2.57	31.83		25.42	257	257	0.133
63	2.57	31.83									

STATION OS73059

LATITUDE 56-53 N LONGITUDE 160-50 W DATE 73-07-04 23.5 (GMT) DEPTH 67 COL. 06 TR. 07
SEA SWELL 25 1A WIND CALM AIR TEMP. DRY 08.6 WET BAR. WEATHER X0

	OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.20	31.83		0	6.20	31.83		25.05	292	291	0.000
10	3.89	31.81		10	3.89	31.81		25.29	269	269	0.028
20	2.71	31.82		20	2.71	31.82		25.40	259	258	0.054
30	2.68	31.83		30	2.68	31.83		25.41	258	257	0.080
49	2.67	31.83		50	2.67	31.83		25.41	258	257	0.132
60	2.68	31.83									

STATION OS73060

LATITUDE 56-30 N LONGITUDE 160-33 W DATE 73-07-05 02.4 (GMT) DEPTH 55 COL. 05 TR. 10
SEA 29 2A SWELL 27 1A WIND 29 02F AIR TEMP. DRY 06.8 WET BAR. WEATHER X4

	OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.70	31.64		0	7.70	31.64		24.70	325	324	0.000
10	4.56	31.68		10	4.56	31.68		25.12	285	285	0.031
20	4.34	31.68		20	4.34	31.68		25.14	283	283	0.059
29	4.30	31.69		30	4.30	31.69		25.15	282	282	0.087
49	4.29	31.69									

STATION OS73061

LATITUDE 57-03 N LONGITUDE 161-08 W DATE 73-07-05 07.2 (GMT) DEPTH 70 COL. 05 TR. 06
SEA 27 1A SWELL 27 1A WIND 27 02F AIR TEMP. DRY 07.6 WET BAR. WEATHER X1

	OBSERVED				INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.20	31.82		0	7.20	31.82		24.91	305	304	0.000
10	3.11	31.83		10	3.11	31.83		25.37	261	261	0.028
20	2.92	31.83		20	2.92	31.83		25.39	260	259	0.054
30	2.88	31.83		30	2.88	31.83		25.39	259	259	0.080
49	2.91	31.83		50	2.91	31.83		25.39	259	259	0.132
65	2.90	31.84									

STATION OS73062

LATITUDE 58-21 N LONGITUDE 161-42 W DATE 73-07-07 17.3 (GMT) DEPTH 39 COL. 06 TR. 08
SEA 31 3A SWELL 30 1A WIND 31 05F AIR TEMP. DRY 07.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	9.40	30.66		0	9.40	30.66		23.69	422	421	0.000
9	9.63	30.65		10	9.54	30.68		23.68	422	422	0.042
19	8.60	30.97		20	8.57	30.98		24.07	386	385	0.083
28	8.50	31.02		30	8.50	31.03		24.11	381	382	0.121
33	8.52	31.03									

STATION OS73063

LATITUDE 57-33 N LONGITUDE 163-00 W DATE 73-07-07 23.0 (GMT) DEPTH 53 COL. 05 TR. 08
SEA 26 3A SWELL 29 1A WIND 26 03F AIR TEMP. DRY 05.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.40	31.96		0	4.40	31.96		25.36	263	262	0.000
10	4.15	31.96		10	4.15	31.96		25.38	260	260	0.026
19	3.26	31.95		20	3.23	31.95		25.46	253	253	0.052
28	3.19	31.98		30	3.18	31.98		25.49	250	250	0.077
47	3.18	31.98									

STATION OS73064

LATITUDE 57-00 N LONGITUDE 163-00 W DATE 73-07-08 02.4 (GMT) DEPTH 64 COL. 05 TR. 11
SEA 26 3A SWELL 29 1A WIND 26 04F AIR TEMP. DRY 05.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.70	31.80		0	5.70	31.80		25.09	288	288	0.000
10	5.51	31.80		10	5.51	31.80		25.11	286	286	0.029
19	1.90	31.85		20	1.89	31.85		25.48	250	250	0.056
29	1.79	31.86		30	1.79	31.86		25.50	249	249	0.081
48	1.78	31.86		50	1.78	31.86		25.50	249	249	0.130
57	1.78	31.86									

STATION OS73065

LATITUDE 56-30 N LONGITUDE 163-00 W DATE 73-07-08 05.5 (GMT) DEPTH 84 COL. 05 TR. 14
SEA 26 3A SWELL 27 1A WIND 26 04F AIR TEMP. DRY 06.7 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.00	31.79		0	7.00	31.79		24.92	304	304	0.000
9	6.85	31.79		10	6.55	31.79		24.98	299	298	0.030
18	4.15	31.84		20	4.00	31.85		25.31	267	267	0.058
28	3.39	31.90		30	3.16	31.90		25.43	256	256	0.085
46	1.58	31.91		50	1.39	31.91		25.56	243	242	0.135
69	1.56	31.91									

STATION OS73066

LATITUDE 56-00 N LONGITUDE 163-00 W DATE 73-07-08 08.5 (GMT) DEPTH 87 COL. TR.
SEA 24 4A SWELL 27 1A WIND 24 03F AIR TEMP. DRY 06.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.50	31.60		0	7.50	31.60		24.70	325	325	0.000
10	6.72	31.60		10	6.72	31.60		24.80	315	315	0.032
19	5.03	31.68		20	4.90	31.69		25.09	288	288	0.062
28	4.03	31.74		30	3.81	31.76		25.26	272	272	0.090
47	2.40	31.95		50	2.27	31.97		25.55	244	244	0.142
74	2.45	32.01									

STATION OS73067

LATITUDE 55-44 N LONGITUDE 163-00 W DATE 73-07-08 10.5 (GMT) DEPTH 74 COL. TR.
SEA 24 3A SWELL 24 2A WIND 24 04F AIR TEMP. DRY 06.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.20	31.75		0	7.20	31.75		24.86	310	310	0.000
9	7.18	31.74		10	7.11	31.74		24.86	309	309	0.031
19	6.18	31.77		20	6.06	31.77		25.02	294	294	0.061
28	5.06	31.82		30	4.82	31.84		25.22	276	276	0.090
47	3.44	31.98		50	3.35	31.99		25.48	251	251	0.143
61	3.39	31.99									

STATION OS73068

LATITUDE 54-28 N LONGITUDE 170-00 W DATE 73-07-12 10.8 (GMT) DEPTH 1915 COL. TR.
SEA 04 1A SWELL 04 1A WIND 04 01F AIR TEMP. DRY 06.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.90	33.00		0	6.90	33.00		25.88	213	212	0.000
10	6.80	33.00		10	6.80	33.00		25.89	211	211	0.021
20	6.63	33.01		20	6.63	33.01		25.92	209	209	0.042
30	5.24	33.16		30	5.24	33.16		26.21	181	181	0.062
50	3.93	33.24		50	3.93	33.24		26.42	162	162	0.096
75	3.62	33.33		75	3.62	33.33		26.52	152	152	0.136
100	3.40	33.36		100	3.40	33.36		26.56	148	148	0.173
124	3.03	33.37		125	3.03	33.37		26.61	144	144	0.210
149	3.08	33.40		150	3.08	33.40		26.63	142	143	0.246
199	3.32	33.51		200	3.33	33.51		26.69	136	137	0.316
248	3.55	33.62		250	3.55	33.62		26.76	129	131	0.383
295	3.56	33.73		300	3.56	33.74		26.85	121	122	0.447
394	3.54	33.91		400	3.53	33.92		27.00	107	109	0.563
493	3.40	34.06		500	3.39	34.07		27.13	94	98	0.667
592	3.26	34.14		600	3.26	34.15		27.20	87	91	0.762
690	3.20	34.23		700	3.18	34.24		27.28	80	84	0.850
789	3.02	34.28		800	3.00	34.29		27.34	75	79	0.932
988	2.77	34.38									

STATION OS73069

LATITUDE 54-30 N LONGITUDE 172-00 W DATE 73-07-12 10.5 (GMT) DEPTH 3485 COL. 04 TR. 16
SEA 09 2A SWELL 04 1A WIND 09 03F AIR TEMP. DRY 07.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.10	32.82		0	7.10	32.82		25.71	229	228	0.000
9	6.86	32.80		10	6.85	32.80		25.73	227	227	0.023
19	6.80	32.80		20	6.56	32.81		25.78	223	223	0.045
28	4.63	32.92		30	4.50	32.95		26.12	190	189	0.066
47	3.43	33.12		50	3.35	33.14		26.39	164	164	0.102
70	3.11	33.21		75	3.04	33.22		26.48	155	156	0.142
93	2.82	33.24		100	2.77	33.26		26.54	150	150	0.180
117	2.72	33.30		125	2.71	33.31		26.58	146	146	0.217
140	2.73	33.32		150	2.76	33.33		26.60	145	145	0.254
190	3.04	33.42		200	3.18	33.46		26.66	138	139	0.325
229	3.56	33.58		250	3.63	33.62		26.75	130	131	0.393
275	3.62	33.66		300	3.63	33.70		26.81	124	126	0.458
368	3.62	33.82		400	3.58	33.88		26.96	110	113	0.578
461	3.49	33.98		500	3.42	34.03		27.09	97	101	0.685
554	3.33	34.09		600	3.28	34.14		27.19	88	92	0.782
648	3.23	34.18		700	3.17	34.21		27.26	82	86	0.871
743	3.11	34.23		800	3.04	34.27		27.32	76	81	0.956
932	2.89	34.34		1000	2.80	34.36		27.42	67	73	1.111
1123	2.64	34.40		1200	2.54	34.42		27.49	60	66	1.251
1411	2.30	34.49									

STATION OS73070

LATITUDE 55-30 N LONGITUDE 170-00 W DATE 73-07-13 04.7 (GMT) DEPTH 2930 COL. 04 TR. 07
SEA 35 2A SWELL 02 1A WIND 35 02F AIR TEMP. DRY 06.7 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	32.54		0	6.80	32.54		25.53	246	246	0.000
10	6.41	32.55		10	6.41	32.55		25.59	240	240	0.024
19	4.82	32.55		20	4.73	32.56		25.80	221	221	0.047
29	4.24	32.68		30	4.20	32.69		25.95	206	206	0.069
49	3.81	32.82		50	3.80	32.83		26.10	192	192	0.109
73	3.66	32.96		75	3.64	32.97		26.23	180	180	0.155
98	3.44	33.04		100	3.43	33.05		26.31	172	172	0.199
123	3.36	33.12		125	3.36	33.13		26.38	165	165	0.242
147	3.40	33.21		150	3.39	33.22		26.45	159	159	0.282
197	3.12	33.29		200	3.10	33.29		26.54	150	151	0.360
246	3.01	33.36		250	3.03	33.37		26.61	144	145	0.434
292	3.30	33.49		300	3.34	33.51		26.69	136	137	0.505
389	3.64	33.73		400	3.64	33.75		26.85	121	123	0.636
486	3.54	33.89		500	3.52	33.91		26.99	107	111	0.754
585	3.40	34.02		600	3.39	34.04		27.10	97	101	0.860
683	3.36	34.12		700	3.34	34.13		27.18	89	94	0.957
781	3.25	34.19		800	3.22	34.20		27.25	83	88	1.049
978	2.93	34.31									

STATION OS73071

LATITUDE 56-01 N LONGITUDE 172-02 W DATE 73-07-13 13.5 (GMT) DEPTH 3138 COL. TR.
SEA 01 2A SWELL 03 1A WIND 01 03F AIR TEMP. DRY 05.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.10	32.76		0	7.10	32.76		25.66	233	233	0.000
10	7.05	32.75		10	7.05	32.75		25.66	233	233	0.023
20	6.99	32.75		20	6.99	32.75		25.67	233	233	0.047
30	5.80	32.94		30	5.80	32.94		25.97	204	204	0.069
50	3.68	33.09		50	3.68	33.09		26.32	171	171	0.106
75	3.04	33.18		75	3.04	33.18		26.45	158	158	0.147
100	2.87	33.24		100	2.87	33.24		26.52	152	153	0.186
125	2.82	33.28		125	2.82	33.28		26.55	149	149	0.224
149	2.84	33.31		150	2.85	33.31		26.58	147	147	0.261
199	3.22	33.44		200	3.23	33.44		26.65	140	141	0.334
249	3.65	33.59		250	3.65	33.59		26.72	133	134	0.403
296	3.64	33.71		300	3.64	33.72		26.83	123	125	0.468
395	3.57	33.87		400	3.56	33.88		26.96	110	113	0.587
494	3.45	34.01		500	3.44	34.02		27.08	99	102	0.695
594	3.29	34.11		600	3.29	34.12		27.18	90	94	0.793
693	3.21	34.20		700	3.20	34.20		27.25	82	87	0.884
792	3.05	34.25		800	3.04	34.25		27.31	77	82	0.969
992	2.83	34.34		1000	2.82	34.34		27.40	69	74	1.127
1192	2.63	34.41		1200	2.62	34.41		27.47	62	68	1.270
1491	2.23	34.50									

STATION OS73072

LATITUDE 56-40 N LONGITUDE 172-01 W DATE 73-07-13 18.8 (GMT) DEPTH 130 COL. 05 TR. 07
SEA 31 1A SWELL 36 1A WIND 31 02F AIR TEMP. DRY 05.8 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.00	32.44		0	7.00	32.44		25.43	256	256	0.000
10	6.77	32.44		10	6.77	32.44		25.46	253	253	0.025
20	6.47	32.49		20	6.47	32.49		25.54	246	245	0.050
30	5.84	32.71		30	5.84	32.71		25.79	222	222	0.074
49	4.08	32.87		50	4.02	32.88		26.12	190	190	0.115
74	3.28	33.00		75	3.27	33.00		26.29	174	174	0.161
99	3.30	33.04		100	3.30	33.04		26.32	171	171	0.204
124	3.36	33.10									

STATION OS73073

LATITUDE 57-30 N LONGITUDE 171-00 W DATE 73-07-14 00.6 (GMT) DEPTH 94 COL. 05 TR. 10
SEA 31 3A SWELL 32 1A WIND 31 03F AIR TEMP. DRY 06.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	31.95		0	6.80	31.95		25.07	290	290	0.000
10	6.68	31.95		10	6.68	31.95		25.08	288	288	0.029
19	4.39	31.97		20	4.26	31.97		25.38	261	260	0.056
29	3.56	31.98		30	3.50	31.98		25.46	253	252	0.082
49	2.87	32.09		50	2.85	32.09		25.60	239	239	0.131
73	2.75	32.12		75	2.76	32.14		25.65	235	235	0.191
87	2.85	32.29									

STATION OS73074

LATITUDE 58-17 N LONGITUDE 173-36 W DATE 73-07-14 09.4 (GMT) DEPTH 118 COL. TR.
SEA 28 3A SWELL 28 1A WIND 27 04F AIR TEMP. DRY 06.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.25		0	6.70	32.25		25.32	266	266	0.000
10	6.60	32.26		10	6.60	32.26		25.34	264	264	0.027
19	6.60	32.26		20	6.60	32.26		25.34	264	264	0.053
28	6.31	32.28		30	5.95	32.31		25.46	253	253	0.079
47	2.87	32.62		50	2.87	32.67		26.06	196	196	0.124
71	2.87	32.92		75	2.86	32.96		26.29	174	174	0.170
95	2.82	33.08		100	2.83	33.09		26.40	163	163	0.212
109	2.86	33.10									

STATION OS73075

LATITUDE 58-06 N LONGITUDE 173-56 W DATE 73-07-14 11.7 (GMT) DEPTH 120 COL. TR.
SEA 28 3A SWELL 27 1A WIND 28 04F AIR TEMP. DRY 06.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.59		0	6.70	32.59		25.58	241	241	0.000
9	6.67	32.59		10	6.66	32.59		25.59	241	240	0.024
19	6.33	32.61		20	6.22	32.63		25.67	232	232	0.048
28	5.22	32.76		30	4.99	32.78		25.94	207	207	0.070
47	3.45	32.84		50	3.33	32.85		26.17	186	186	0.109
71	3.04	32.95		75	3.03	32.98		26.29	174	174	0.154
94	3.02	33.08		100	2.99	33.09		26.39	164	165	0.197
110	2.92	33.10									

STATION OS73076

LATITUDE 57-56 N LONGITUDE 174-19 W DATE 73-07-14 13.8 (GMT) DEPTH 1965 COL. TR.
SEA 27 3A SWELL 27 1A WIND 27 04F AIR TEMP. DRY 06.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.30	32.68		0	6.30	32.68		25.71	229	229	0.000
9	6.28	32.68		10	6.28	32.68		25.71	229	229	0.023
18	5.93	32.70		20	5.54	32.72		25.83	217	217	0.045
28	4.00	32.82		30	3.95	32.84		26.10	192	192	0.066
46	3.51	32.95		50	3.43	32.97		26.25	178	178	0.103
69	3.18	33.04		75	3.15	33.06		26.35	168	168	0.146
92	3.12	33.12		100	3.10	33.14		26.42	162	162	0.188
115	3.06	33.18		125	3.05	33.21		26.47	156	157	0.228
138	3.05	33.24		150	3.02	33.25		26.51	153	153	0.267
179	2.94	33.26		200	2.87	33.28		26.54	150	150	0.343
214	2.85	33.29		250	2.99	33.36		26.60	145	146	0.417
282	3.20	33.43		300	3.31	33.46		26.65	139	141	0.489
350	3.56	33.56		400	3.64	33.69		26.80	125	128	0.624
439	3.64	33.79		500	3.58	33.90		26.97	109	112	0.744
530	3.53	33.94		600	3.40	34.04		27.10	97	101	0.851
620	3.36	34.06		700	3.28	34.13		27.19	89	93	0.949
712	3.27	34.14		800	3.15	34.21		27.26	82	87	1.039
805	3.14	34.21		1000	2.88	34.32		27.37	71	77	1.204
1223	2.58	34.40		1250	2.54	34.41		27.48	61	68	1.386
1459	2.25	34.48		1500	2.21	34.49		27.57	53	59	1.546
1695	2.06	34.52									

STATION OS73077

LATITUDE 57-48 N LONGITUDE 174-39 W DATE 73-07-14 16:9 (GMT) DEPTH 1900 COL. 05 TR. 08
SEA 27 3A SWELL 27 1A WIND 27 04F AIR TEMP. DRY 06.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.00	32.63		0	7.00	32.63		25.58	242	241	0.000
9	6.92	32.63		10	6.94	32.64		25.59	240	240	0.024
18	6.60	32.71		20	6.12	32.74		25.78	223	223	0.047
27	4.42	32.84		30	4.26	32.86		26.08	194	194	0.068
45	3.44	32.91		50	3.32	32.96		26.25	178	178	0.105
67	3.14	33.11		75	3.13	33.14		26.41	162	162	0.148
90	3.15	33.17		100	3.15	33.19		26.45	159	159	0.188
112	3.14	33.20		125	3.13	33.22		26.47	156	157	0.228
135	3.12	33.23		150	3.06	33.25		26.51	153	154	0.267
182	2.86	33.28		200	2.74	33.29		26.57	148	148	0.343
229	2.54	33.32		250	2.82	33.37		26.62	142	143	0.416
258	2.95	33.39		300	3.36	33.51		26.68	137	138	0.486
350	3.63	33.64		400	3.66	33.75		26.85	121	123	0.618
441	3.60	33.83		500	3.53	33.93		27.00	106	109	0.734
535	3.48	33.98		600	3.40	34.06		27.12	95	99	0.839
631	3.36	34.10		700	3.24	34.17		27.23	85	90	0.934
729	3.19	34.20		800	3.10	34.24		27.29	79	84	1.021
928	2.95	34.28		1000	2.85	34.31		27.37	71	77	1.183
1174	2.61	34.39		1250	2.54	34.41		27.48	61	68	1.365
1413	2.40	34.45		1500	2.29	34.48		27.55	54	61	1.527
1648	2.10	34.52		1750	1.97	34.55		27.63	46	53	1.672
1789	1.92	34.56									

STATION OS73078

LATITUDE 57-41 N LONGITUDE 174-58 W DATE 73-07-14 20.6 (GMT) DEPTH 2830 COL. 04 TR. 18
SEA 26 2A SWELL 28 1A WIND 26 03F AIR TEMP. DRY 06.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.20	32.95		0	7.20	32.95		25.80	220	220	0.000
10	7.01	32.94		10	7.01	32.94		25.82	219	218	0.022
19	6.98	32.94		20	6.99	32.94		25.82	218	218	0.044
28	6.84	32.94		30	6.52	32.96		25.90	211	211	0.065
47	3.81	33.15		50	3.70	33.17		26.38	165	165	0.103
71	2.91	33.22		75	2.86	33.23		26.51	153	153	0.143
95	2.75	33.25		100	2.71	33.25		26.54	150	150	0.181
118	2.58	33.26		125	2.53	33.27		26.56	148	148	0.219
142	2.42	33.28		150	2.34	33.27		26.59	146	146	0.255
191	2.27	33.29		200	2.52	33.33		26.62	143	143	0.328
240	3.64	33.55		250	3.65	33.59		26.72	133	134	0.398
260	3.61	33.63		300	3.61	33.72		26.83	123	124	0.462
349	3.63	33.78		400	3.60	33.85		26.94	112	115	0.583
440	3.56	33.91		500	3.48	34.01		27.07	99	103	0.692
533	3.43	34.06		600	3.37	34.10		27.16	92	96	0.792
626	3.34	34.11		700	3.23	34.17		27.23	85	90	0.885
721	3.19	34.19		800	3.07	34.24		27.29	79	84	0.972
964	2.85	34.31		1000	2.81	34.33		27.39	70	75	1.132
1208	2.58	34.41		1250	2.53	34.42		27.49	60	67	1.311
1453	2.29	34.47		1500	2.24	34.48		27.56	53	60	1.471
1700	2.04	34.53		1750	2.00	34.54		27.62	47	54	1.616
1948	1.90	34.57		2000	1.89	34.57		27.66	44	52	1.750
2445	1.80	34.59		2500	1.77	34.60		27.69	41	50	2.007
2641	1.67	34.62									

STATION OS73079

LATITUDE 57-33 N LONGITUDE 175-17 W DATE 73-07-15 00.5 (GMT) DEPTH 3450 COL. 04 TR. 14
SEA 25 2A SWELL 29 1A WIND 25 03F AIR TEMP. DRY 07.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.90	32.94		0	6.90	32.94		25.83	217	217	0.000
10	6.97	32.93		10	6.97	32.93		25.82	219	219	0.022
20	6.26	32.92		20	6.26	32.92		25.90	211	211	0.043
29	4.55	33.02		30	4.42	33.03		26.20	182	182	0.063
49	2.92	33.18		50	2.88	33.18		26.47	157	157	0.097
74	2.36	33.21		75	2.36	33.21		26.54	151	150	0.136
98	2.40	33.25		100	2.39	33.25		26.56	148	148	0.173
123	2.30	33.26		125	2.30	33.26		26.58	146	146	0.210
147	2.40	33.29		150	2.41	33.29		26.60	145	145	0.246
196	2.64	33.37		200	2.71	33.38		26.64	140	141	0.318
242	3.40	33.52		250	3.46	33.54		26.70	134	136	0.388
290	3.63	33.66		300	3.64	33.68		26.80	126	128	0.454
388	3.60	33.85		400	3.59	33.87		26.95	111	114	0.575
486	3.51	33.97		500	3.49	33.99		27.05	101	105	0.685
584	3.35	34.07		600	3.34	34.09		27.15	93	96	0.786
682	3.28	34.16		700	3.26	34.17		27.22	85	90	0.880
783	3.14	34.23		800	3.12	34.24		27.29	79	84	0.967
951	2.90	34.32		1000	2.83	34.34		27.40	69	75	1.127
1192	2.56	34.40		1250	2.49	34.42		27.49	60	67	1.305
1444	2.30	34.48		1500	2.24	34.49		27.57	53	60	1.463
1687	2.07	34.53		1750	2.02	34.54		27.63	47	54	1.607
1921	1.89	34.57		2000	1.85	34.58		27.67	43	51	1.740
2422	1.72	34.62		2500	1.69	34.63		27.72	39	47	1.986
2904	1.60	34.65		3000	1.59	34.65		27.75	36	45	2.219
3200	1.59	34.66									

STATION OS73080

LATITUDE 57-22 N LONGITUDE 175-38 W DATE 73-07-15 04.5 (GMT) DEPTH 2900 COL. 04 TR. 19
SEA 23 3A SWELL 26 1A WIND 23 03F AIR TEMP. DRY 06.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.94		0	6.60	32.94		25.87	213	213	0.000
10	6.50	32.95		10	6.50	32.95		25.89	211	211	0.021
19	6.26	32.97		20	5.98	32.98		25.98	203	203	0.042
29	3.44	33.06		30	3.29	33.07		26.34	169	169	0.061
48	2.13	33.14		50	2.08	33.15		26.50	154	153	0.093
72	1.99	33.18		75	1.98	33.18		26.54	150	150	0.131
96	1.94	33.20		100	1.96	33.20		26.56	148	148	0.168
120	2.04	33.23		125	2.02	33.24		26.58	146	146	0.205
143	1.90	33.25		150	1.87	33.25		26.61	144	144	0.242
192	1.86	33.27		200	1.92	33.26		26.61	144	144	0.314
240	2.23	33.33		250	2.76	33.43		26.67	137	138	0.385
259	3.25	33.52		300	3.44	33.62		26.77	129	130	0.452
346	3.66	33.73		400	3.64	33.84		26.92	114	117	0.576
433	3.57	33.89		500	3.47	33.98		27.05	102	105	0.688
522	3.44	34.00		600	3.39	34.09		27.14	93	97	0.790
612	3.38	34.10		700	3.26	34.18		27.23	85	90	0.883
705	3.25	34.18		800	3.13	34.23		27.28	80	85	0.971
895	3.01	34.27		1000	2.89	34.32		27.38	71	76	1.133
1093	2.77	34.37		1250	2.54	34.43		27.49	60	66	1.313
1323	2.43	34.45		1500	2.25	34.47		27.55	54	61	1.473
1556	2.20	34.48		1750	2.05	34.54		27.62	48	55	1.619
1788	2.02	34.55		2000	1.89	34.58		27.67	43	51	1.753
2259	1.77	34.60		2500	1.68	34.63		27.72	38	47	2.001
2544	1.67	34.63									

STATION OS73081

LATITUDE 57-35 N LONGITUDE 175-51 W DATE 73-07-15 08.3 (GMT) DEPTH 2107 COL. 04 TR. 16

SEA 25 1A SWELL 29 1A WIND 25 02F AIR TEMP. DRY 06.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.20	32.94		0	6.20	32.94		25.92	209	208	0.000
10	6.14	32.93		10	6.14	32.93		25.92	209	208	0.021
19	6.09	32.93		20	6.04	32.93		25.93	208	208	0.042
29	5.32	32.93		30	5.15	32.94		26.05	197	197	0.062
48	2.16	33.07		50	2.13	33.08		26.45	159	159	0.098
72	1.79	33.14		75	1.82	33.15		26.53	151	151	0.137
90	1.97	33.20		100	1.89	33.20		26.56	148	148	0.174
110	1.81	33.19		125	1.93	33.22		26.58	147	147	0.211
132	2.01	33.24		150	2.07	33.27		26.60	144	144	0.248
177	2.07	33.29		200	2.08	33.27		26.61	144	144	0.320
221	2.08	33.28		250	2.83	33.43		26.67	138	139	0.391
278	3.56	33.60		300	3.58	33.67		26.79	126	128	0.458
373	3.63	33.80		400	3.61	33.85		26.93	113	115	0.580
469	3.53	33.96		500	3.49	34.00		27.06	100	104	0.690
565	3.41	34.07		600	3.37	34.10		27.15	92	96	0.791
662	3.31	34.14		700	3.28	34.17		27.22	86	90	0.884
760	3.22	34.22		800	3.17	34.24		27.29	79	84	0.972
956	2.94	34.31		1000	2.87	34.33		27.38	70	76	1.133
1172	2.63	34.40		1250	2.54	34.43		27.49	60	67	1.312
1407	2.37	34.47		1500	2.26	34.49		27.56	53	60	1.472
1642	2.11	34.52		1750	2.01	34.55		27.63	47	54	1.616
1878	1.92	34.58									

STATION OS73082

LATITUDE 57-45 N LONGITUDE 175-27 W DATE 73-07-15 12.5 (GMT) DEPTH 3450 COL. TR.

SEA 23 3A SWELL 25 1A WIND 23 03F AIR TEMP. DRY 06.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.98		0	6.60	32.98		25.90	210	210	0.000
10	6.60	32.96		10	6.60	32.96		25.89	212	212	0.021
20	6.59	32.96		20	6.59	32.96		25.89	212	212	0.042
29	6.15	32.97		30	5.98	32.98		25.98	203	203	0.063
49	2.68	33.15		50	2.61	33.15		26.47	157	157	0.099
74	2.03	33.18		75	2.02	33.18		26.54	150	150	0.138
98	2.00	33.21		100	2.00	33.21		26.56	148	148	0.175
123	2.02	33.24		125	2.04	33.24		26.59	146	146	0.212
147	2.27	33.29		150	2.24	33.30		26.62	143	143	0.248
193	1.90	33.39		200	2.01	33.36		26.68	136	137	0.318
230	2.64	33.28		250	3.04	33.39		26.62	143	144	0.389
277	3.48	33.59		300	3.51	33.67		26.80	125	127	0.457
374	3.62	33.82		400	3.61	33.86		26.94	112	115	0.578
468	3.53	33.94		500	3.50	33.98		27.05	102	105	0.688
564	3.45	34.06		600	3.42	34.09		27.15	93	97	0.790
658	3.35	34.14		700	3.27	34.17		27.22	86	90	0.884
758	3.16	34.20		800	3.10	34.23		27.28	80	85	0.972
946	2.91	34.32		1000	2.84	34.34		27.40	69	75	1.132
1187	2.59	34.40		1250	2.51	34.42		27.49	60	67	1.310
1430	2.32	34.48		1500	2.26	34.50		27.57	52	59	1.469
1673	2.11	34.53		1750	2.04	34.54		27.62	48	55	1.613
1917	1.91	34.55		2000	1.86	34.56		27.65	45	52	1.748
2211	1.77	34.57									

STATION OS73083

LATITUDE 57-54 N LONGITUDE 175-11 W DATE 73-07-15 16:2 (GMT) DEPTH 2870 COL. 05 TR. 13
SEA 23 2A SWELL 25 1A WIND 23 03F AIR TEMP. DRY 06.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.10	32.92		0	7.10	32.92		25.79	221	221	0.000
9	7.10	32.92		10	7.11	32.92		25.79	222	222	0.022
19	7.05	32.91		20	6.99	32.92		25.80	220	220	0.044
28	6.31	32.98		30	6.02	33.00		25.99	202	202	0.065
47	3.60	33.15		50	3.52	33.17		26.40	164	164	0.102
71	2.94	33.24		75	2.88	33.25		26.52	152	152	0.142
95	2.67	33.27		100	2.60	33.27		26.56	148	148	0.179
118	2.37	33.26		125	2.34	33.26		26.58	146	147	0.216
142	2.34	33.28		150	2.34	33.29		26.60	145	145	0.253
186	2.56	33.34		200	2.83	33.40		26.65	140	140	0.325
234	3.48	33.55		250	3.54	33.58		26.72	133	134	0.393
260	3.55	33.59		300	3.61	33.67		26.79	126	128	0.459
357	3.63	33.79		400	3.61	33.85		26.94	112	115	0.581
443	3.56	33.91		500	3.47	33.98		27.05	102	105	0.692
537	3.41	34.02		600	3.36	34.09		27.15	92	96	0.793
632	3.33	34.12		700	3.25	34.16		27.22	86	90	0.887
728	3.21	34.18		800	3.11	34.23		27.28	80	85	0.975
921	2.93	34.30		1000	2.80	34.34		27.40	69	75	1.136
1130	2.61	34.39		1250	2.48	34.43		27.50	59	65	1.312
1367	2.37	34.47		1500	2.24	34.50		27.57	52	59	1.468
1607	2.14	34.52		1750	2.04	34.54		27.63	47	54	1.611
1849	1.98	34.56									

STATION OS73084

LATITUDE 58-04 N LONGITUDE 174-50 W DATE 73-07-15 20.3 (GMT) DEPTH 2960 COL. 04 TR. 20
SEA 23 2A SWELL 25 1A WIND 23 03F AIR TEMP. DRY 07.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.50	32.89		0	7.50	32.89		25.71	229	228	0.000
9	7.19	32.89		10	7.18	32.89		25.75	225	225	0.023
19	7.14	32.89		20	7.13	32.89		25.77	224	224	0.045
28	6.86	32.93		30	6.61	32.95		25.88	213	213	0.067
47	4.48	33.12		50	4.22	33.13		26.30	173	173	0.106
70	3.09	33.18		75	2.98	33.19		26.47	157	157	0.147
93	2.85	33.24		100	2.83	33.25		26.53	151	152	0.186
117	2.83	33.27		125	2.85	33.29		26.55	149	149	0.223
140	2.92	33.32		150	2.96	33.34		26.59	146	146	0.260
187	3.13	33.41		200	3.26	33.44		26.64	140	141	0.333
235	3.53	33.52		250	3.52	33.54		26.70	135	137	0.402
264	3.49	33.56		300	3.54	33.62		26.76	129	131	0.469
354	3.65	33.73		400	3.63	33.82		26.90	116	118	0.595
445	3.57	33.89		500	3.49	33.95		27.03	104	107	0.708
537	3.44	33.99		600	3.38	34.06		27.12	95	99	0.811
630	3.36	34.09		700	3.28	34.15		27.20	87	92	0.907
724	3.25	34.17		800	3.14	34.24		27.29	79	84	0.996
913	2.97	34.33		1000	2.83	34.37		27.42	67	73	1.154
1150	2.60	34.40		1250	2.48	34.42		27.49	60	66	1.329
1388	2.34	34.45		1500	2.25	34.48		27.56	53	60	1.488
1627	2.15	34.52		1750	2.04	34.54		27.62	47	55	1.633
1868	1.95	34.56		2000	1.87	34.57		27.66	44	51	1.767
2356	1.73	34.60		2500	1.69	34.61		27.71	39	48	2.018
2750	1.66	34.64									

STATION OS73085

LATITUDE 58-14 N LONGITUDE 174-31 W DATE 73-07-16 00.1 (GMT) DEPTH 1920 COL. 05 TR. 09
SEA 24 2A SWELL 29 1A WIND 24 02F AIR TEMP. DRY 08.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.30	32.48		0	7.30	32.48		25.42	257	256	0.000
10	6.86	32.53		10	6.86	32.53		25.52	247	247	0.025
20	6.60	32.69		20	6.60	32.69		25.68	232	232	0.049
30	6.09	32.83		30	6.09	32.83		25.85	216	216	0.072
50	3.73	32.98		50	3.73	32.98		26.23	180	180	0.111
75	3.29	33.14		75	3.29	33.14		26.40	164	164	0.154
99	3.15	33.21		100	3.14	33.21		26.47	157	157	0.195
124	2.98	33.25		125	2.98	33.25		26.52	152	153	0.233
149	2.92	33.27		150	2.91	33.27		26.54	150	151	0.271
198	2.52	33.31		200	2.54	33.32		26.60	144	145	0.346
247	3.22	33.46		250	3.25	33.47		26.66	138	140	0.417
297	3.54	33.59		300	3.55	33.60		26.74	131	133	0.485
390	3.62	33.76		400	3.62	33.78		26.88	118	121	0.613
487	3.55	33.92		500	3.53	33.93		27.01	106	109	0.728
585	3.42	34.02		600	3.40	34.04		27.10	97	101	0.834
682	3.31	34.13		700	3.28	34.15		27.20	88	92	0.931
780	3.16	34.21		800	3.13	34.22		27.28	80	85	1.020
975	2.86	34.32		1000	2.83	34.33		27.39	70	75	1.181
1219	2.59	34.41		1250	2.55	34.42		27.49	60	67	1.361
1463	2.27	34.49		1500	2.23	34.49		27.57	52	59	1.520
1609	2.12	34.50		1750	1.98	34.50		27.60	50	57	1.666
1756	1.97	34.50									

STATION OS73086

LATITUDE 58-23 N LONGITUDE 174-10 W DATE 73-07-16 03.1 (GMT) DEPTH 140 COL. 05 TR. 08
SEA 27 1A SWELL 28 1A WIND 27 02F AIR TEMP. DRY 07.0 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.30	32.58		0	7.30	32.58		25.50	249	249	0.000
10	6.84	32.61		10	6.84	32.61		25.58	241	241	0.025
20	6.26	32.70		20	6.26	32.70		25.73	227	227	0.048
29	6.24	32.71		30	6.12	32.72		25.76	224	224	0.071
49	3.75	32.97		50	3.69	32.98		26.23	179	179	0.111
73	3.13	33.09		75	3.10	33.10		26.38	165	165	0.154
98	2.93	33.16		100	2.93	33.16		26.45	159	159	0.195
122	2.95	33.16		125	2.95	33.16		26.44	159	159	0.235
132	2.95	33.16									

STATION OS73087

LATITUDE 58-35 N LONGITUDE 173-47 W DATE 73-07-16 04.9 (GMT) DEPTH 133 COL. 05 TR. 11
SEA 29 1A SWELL 28 1A WIND 29-02F AIR TEMP. DRY 07.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.30	32.40		0	7.30	32.40		25.36	263	262	0.000
10	6.99	32.39		10	6.99	32.39		25.39	259	259	0.026
20	6.49	32.37		20	6.49	32.37		25.44	255	255	0.052
30	3.95	32.68		30	3.95	32.68		25.97	204	204	0.075
50	3.27	32.88		50	3.27	32.88		26.19	183	183	0.114
74	2.80	33.04		75	2.80	33.04		26.36	167	167	0.158
99	2.82	33.04		100	2.82	33.04		26.36	167	167	0.199
124	2.80	33.05									

STATION OS73088

LATITUDE 58-16 N LONGITUDE 175-05 W DATE 73-07-16 09.6 (GMT) DEPTH 685 COL. TR.

SEA 28 1A SWELL 28 1A WIND 28 02F AIR TEMP. DRY 06.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.90	32.75		0	6.90	32.75		25.68	231	231	0.000
10	6.55	32.72		10	6.55	32.72		25.71	229	229	0.023
20	6.46	32.71		20	6.46	32.71		25.71	229	229	0.046
30	5.38	32.93		30	5.38	32.93		26.02	200	200	0.068
50	3.96	33.09		50	3.96	33.09		26.30	173	173	0.105
74	3.16	33.18		75	3.15	33.18		26.45	159	159	0.147
99	3.05	33.24		100	3.05	33.24		26.50	154	154	0.186
124	2.95	33.28		125	2.94	33.28		26.54	150	150	0.224
149	2.71	33.29		150	2.70	33.29		26.57	147	148	0.261
199	2.49	33.32		200	2.51	33.34		26.62	142	143	0.334
247	3.36	33.98		250	3.38	33.96		27.05	102	104	0.396
292	3.53	33.59		300	3.55	33.58		26.72	133	134	0.456
390	3.65	33.78		400	3.65	33.80		26.89	117	120	0.584
488	3.54	33.93		500	3.51	33.95		27.02	105	108	0.698
586	3.34	34.07		600	3.32	34.09		27.15	92	96	0.800
635	3.30	34.14									

STATION OS73089

LATITUDE 58-27 N LONGITUDE 174-43 W DATE 73-07-16 12.7 (GMT) DEPTH 1046 COL. TR.

SEA 27 1A SWELL 28 1A WIND 27 02F AIR TEMP. DRY 06.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.69		0	6.70	32.69		25.66	233	233	0.000
10	6.84	32.65		10	6.84	32.65		25.61	238	238	0.024
19	6.40	32.69		20	6.26	32.71		25.74	226	226	0.047
29	4.90	32.91		30	4.80	32.92		26.07	195	195	0.068
48	3.79	32.99		50	3.74	33.00		26.25	178	178	0.105
73	3.43	33.11		75	3.40	33.12		26.37	166	166	0.149
97	3.15	33.17		100	3.12	33.18		26.44	159	159	0.189
121	2.97	33.23		125	2.95	33.24		26.51	153	154	0.229
145	2.89	33.27		150	2.85	33.27		26.54	150	150	0.267
194	2.66	33.30		200	2.70	33.31		26.59	146	146	0.341
242	3.04	33.39		250	3.03	33.40		26.63	142	143	0.414
284	2.96	33.44		300	3.07	33.48		26.69	136	138	0.484
381	3.63	33.68		400	3.65	33.72		26.82	123	126	0.616
479	3.58	33.86		500	3.54	33.89		26.97	109	112	0.736
577	3.40	34.00		600	3.37	34.03		27.10	97	101	0.843
675	3.30	34.12		700	3.28	34.14		27.20	88	92	0.940
774	3.20	34.20		800	3.17	34.22		27.27	81	86	1.030
972	2.89	34.32									

STATION OS73090

LATITUDE 58-38 N LONGITUDE 174-21 W DATE 73-07-16 15.4 (GMT) DEPTH 159 COL. TR.

SEA 28 2A SWELL 28 1A WIND 28 02F AIR TEMP. DRY 05.8 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.65		0	6.60	32.65		25.64	235	235	0.000
10	6.38	32.67		10	6.38	32.67		25.69	231	231	0.023
20	6.21	32.69		20	6.21	32.69		25.73	227	227	0.046
30	4.89	32.82		30	4.89	32.82		25.98	203	203	0.068
50	3.22	32.97		50	3.22	32.97		26.27	176	176	0.106
74	2.88	33.09		75	2.87	33.09		26.40	163	164	0.148
99	2.80	33.16		100	2.80	33.16		26.46	158	158	0.189
124	2.79	33.16		125	2.79	33.16		26.46	158	158	0.228
149	2.77	33.18									

STATION OS73091

LATITUDE 58-48 N LONGITUDE 174-02 W DATE 73-07-16 17.0 (GMT) DEPTH 136 COL. 04 TR. 13
SEA 27 2A SWELL 28 1A WIND 27 02F AIR TEMP. DRY 05.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.48		0	6.60	32.48		25.51	248	248	0.000
10	6.91	32.44		10	6.91	32.44		25.44	255	255	0.025
20	6.55	32.55		20	6.55	32.55		25.57	242	242	0.050
29	4.72	32.73		30	4.59	32.74		25.96	206	205	0.072
49	3.10	32.91		50	3.06	32.92		26.24	178	178	0.111
74	2.72	33.04		75	2.72	33.04		26.37	166	166	0.154
98	2.72	33.06		100	2.72	33.06		26.39	165	165	0.196
123	2.71	33.06		125	2.70	33.06		26.39	165	165	0.237
128	2.69	33.06									

STATION OS73092

LATITUDE 58-56 N LONGITUDE 174-33 W DATE 73-07-16 19.0 (GMT) DEPTH 132 COL. 04 TR. 11
SEA 25 2A SWELL 28 1A WIND 25 03F AIR TEMP. DRY 06.2 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.38		0	6.60	32.38		25.43	255	255	0.000
10	6.51	32.38		10	6.51	32.38		25.44	254	254	0.026
20	6.37	32.43		20	6.37	32.43		25.50	249	249	0.051
29	4.25	32.61		30	4.10	32.62		25.91	210	210	0.074
49	2.58	32.75		50	2.54	32.76		26.16	186	186	0.113
73	2.09	32.89		75	2.10	32.90		26.31	172	172	0.158
98	2.39	32.99		100	2.42	33.00		26.36	167	167	0.201
122	2.60	33.08		125	2.60	33.08		26.41	162	162	0.242
127	2.59	33.08									

STATION OS73093

LATITUDE 58-44 N LONGITUDE 174-55 W DATE 73-07-17 01.8 (GMT) DEPTH 148 COL. 04 TR. 11
SEA 26 3A SWELL 28 1A WIND 26 03F AIR TEMP. DRY 07.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.00	32.52		0	7.00	32.52		25.49	250	250	0.000
10	6.76	32.56		10	6.76	32.56		25.55	244	244	0.025
19	6.37	32.64		20	6.29	32.65		25.69	231	231	0.049
29	5.43	32.78		30	5.31	32.79		25.91	209	209	0.071
49	3.35	32.99		50	3.29	33.00		26.28	174	174	0.109
73	2.59	33.06		75	2.58	33.06		26.40	163	163	0.151
97	2.61	33.11		100	2.62	33.11		26.44	160	160	0.192
121	2.67	33.14		125	2.67	33.14		26.46	158	158	0.232
141	2.66	33.15									

STATION OS73094

LATITUDE 58-34 N LONGITUDE 175-12 W DATE 73-07-17 03.7 (GMT) DEPTH 4990 COL. 04 TR. 12
SEA 26 3A SWELL 28 1A WIND 26 03F AIR TEMP. DRY 06.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	32.76		0	6.80	32.76		25.71	229	229	0.000
10	6.47	32.79		10	6.47	32.79		25.77	223	223	0.023
20	6.33	32.81		20	6.33	32.81		25.81	220	220	0.045
29	6.04	32.83		30	5.94	32.84		25.87	213	213	0.067
49	3.90	32.98		50	3.84	32.99		26.23	180	180	0.106
74	2.97	33.11		75	2.96	33.11		26.41	163	163	0.149
98	2.84	33.17		100	2.84	33.17		26.47	157	157	0.189
123	2.80	33.21		125	2.79	33.21		26.50	154	154	0.228
147	2.69	33.24		150	2.68	33.24		26.53	151	151	0.266
196	2.64	33.29		200	2.64	33.29		26.58	147	147	0.341
245	2.73	33.33		250	2.75	33.34		26.60	144	145	0.415
285	2.94	33.40		300	3.07	33.44		26.66	139	140	0.486
382	3.63	33.65		400	3.66	33.68		26.79	126	129	0.621
470	3.48	33.76									

STATION OS73095

LATITUDE 58-26 N LONGITUDE 175-25 W DATE 73-07-17 05.5 (GMT) DEPTH 168 COL. 04 TR. 18
SEA 24 3A SWELL 28 1A WIND 24 03F AIR TEMP. DRY 06.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.77		0	6.60	32.77		25.74	226	226	0.000
10	6.33	32.77		10	6.33	32.77		25.77	223	223	0.022
19	5.50	32.83		20	5.31	32.85		25.96	206	205	0.044
29	3.63	32.99		30	3.54	33.00		26.26	176	176	0.063
48	2.99	33.10		50	2.95	33.11		26.40	163	163	0.097
72	2.68	33.15		75	2.67	33.15		26.46	157	157	0.137
95	2.65	33.18		100	2.67	33.19		26.49	155	155	0.176
118	2.73	33.21		125	2.71	33.22		26.51	153	153	0.215
143	2.65	33.24		150	2.66	33.25		26.54	150	150	0.253
157	2.68	33.27									

STATION OS73096

LATITUDE 58-18 N LONGITUDE 175-38 W DATE 73-07-17 06.9 (GMT) DEPTH 1240 COL. 04 TR. 09
SEA 26 3A SWELL 28 1A WIND 26 03F AIR TEMP. DRY 06.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	32.70		0	6.80	32.70		25.66	234	234	0.000
9	6.75	32.70		10	6.78	32.71		25.67	233	232	0.023
18	6.89	32.84		20	6.79	32.86		25.78	222	222	0.046
27	6.21	32.91		30	5.82	32.95		25.98	204	204	0.067
45	3.84	33.12		50	3.50	33.14		26.38	165	165	0.104
68	2.92	33.16		75	2.90	33.18		26.47	157	157	0.145
90	2.97	33.23		100	2.92	33.25		26.52	152	152	0.184
113	2.82	33.26		125	2.73	33.27		26.55	149	150	0.222
135	2.67	33.27		150	2.71	33.30		26.57	147	147	0.259
182	2.91	33.36		200	2.95	33.38		26.62	143	143	0.332
230	3.08	33.42		250	3.34	33.49		26.67	138	139	0.403
267	3.56	33.55		300	3.59	33.64		26.77	129	130	0.470
361	3.64	33.76		400	3.61	33.83		26.92	114	117	0.594
456	3.54	33.91		500	3.49	33.96		27.03	103	107	0.707
552	3.43	34.01		600	3.38	34.06		27.12	95	99	0.810
649	3.32	34.11		700	3.26	34.15		27.20	87	92	0.906
747	3.21	34.18		800	3.13	34.22		27.28	80	85	0.995
943	2.92	34.32		1000	2.85	34.34		27.39	69	75	1.156
1042	2.81	34.35									

STATION OS73097

LATITUDE 58-06 N LONGITUDE 175-25 W DATE 73-07-17 09.6 (GMT) DEPTH 1490 COL. TR.
SEA 26 3A SWELL 28 1A WIND 26 03F AIR TEMP. DRY 06.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	32.89		0	6.80	32.89		25.81	220	219	0.000
9	6.84	32.89		10	6.79	32.89		25.81	220	219	0.022
18	6.06	32.91		20	5.70	32.94		25.98	203	203	0.043
28	4.27	33.05		30	4.02	33.07		26.27	176	175	0.062
46	2.69	33.16		50	2.54	33.17		26.49	155	155	0.095
69	2.25	33.21		75	2.19	33.22		26.55	149	149	0.133
92	2.07	33.24		100	2.03	33.25		26.59	145	145	0.170
115	1.98	33.26		125	1.95	33.26		26.61	144	144	0.206
138	1.91	33.26		150	1.86	33.25		26.61	144	144	0.243
188	1.93	33.27		200	2.14	33.31		26.63	141	142	0.314
235	2.91	33.46		250	3.19	33.51		26.70	135	136	0.384
253	3.24	33.52		300	3.45	33.67		26.80	125	127	0.450
341	3.63	33.77		400	3.61	33.86		26.94	112	114	0.571
430	3.56	33.90		500	3.48	33.98		27.05	102	105	0.681
520	3.45	34.00		600	3.34	34.11		27.16	91	95	0.782
611	3.32	34.12		700	3.22	34.19		27.24	84	88	0.874
702	3.22	34.19		800	3.08	34.25		27.30	78	83	0.960
897	2.94	34.30		1000	2.79	34.35		27.41	68	74	1.117
1122	2.63	34.40		1250	2.49	34.44		27.50	59	65	1.292
1264	2.48	34.44									

STATION OS73098

LATITUDE 57-56 N LONGITUDE 175-44 W DATE 73-07-17 12.8 (GMT) DEPTH 2650 COL. TR.
SEA 27 3A SWELL 27 1A WIND 27 03F AIR TEMP. DRY 06.7 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.92		0	6.70	32.92		25.84	216	216	0.000
9	6.71	32.91		10	6.68	32.92		25.84	216	216	0.022
18	6.38	32.99		20	6.35	33.00		25.95	206	206	0.043
27	6.07	33.02		30	5.54	33.04		26.08	193	193	0.063
46	2.74	33.16		50	2.65	33.17		26.48	156	156	0.098
69	2.21	33.21		75	2.17	33.22		26.55	149	149	0.136
91	2.13	33.23		100	2.11	33.24		26.58	147	147	0.173
114	2.07	33.25		125	2.02	33.26		26.60	145	145	0.210
137	1.96	33.26		150	1.87	33.26		26.61	144	144	0.246
186	1.84	33.27		200	2.03	33.30		26.63	142	142	0.317
233	2.67	33.40		250	3.05	33.49		26.70	135	136	0.387
274	3.54	33.61		300	3.55	33.69		26.81	124	126	0.453
366	3.59	33.81		400	3.58	33.87		26.95	111	114	0.574
459	3.52	33.95		500	3.46	34.01		27.07	100	103	0.683
552	3.37	34.07		600	3.32	34.11		27.17	90	94	0.782
645	3.28	34.15		700	3.22	34.19		27.24	83	88	0.873
739	3.17	34.22		800	3.08	34.25		27.30	78	83	0.959
928	2.90	34.31		1000	2.81	34.34		27.40	69	75	1.117
1074	2.73	34.37		1250	2.51	34.43		27.50	59	66	1.294
1300	2.45	34.45		1500	2.23	34.50		27.58	52	59	1.450
1529	2.20	34.51		1750	2.02	34.55		27.63	47	54	1.592
1760	2.01	34.55		2000	1.86	34.58		27.67	43	51	1.724
2326	1.75	34.59									

STATION OS73099

LATITUDE 57-45 N LONGITUDE 176-04 W DATE 73-07-17 16.8 (GMT) DEPTH 3360 COL. 04 TR. 19
SEA 26 2A SWELL 27 1A WIND 26 03F AIR TEMP. DRY 06.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.97		0	6.70	32.97		25.88	212	212	0.000
10	6.58	32.95		10	6.58	32.95		25.88	212	212	0.021
20	6.45	33.01		20	6.45	33.01		25.95	206	206	0.042
29	3.48	33.05		30	3.42	33.06		26.32	171	171	0.061
49	2.30	33.19		50	2.27	33.19		26.53	151	151	0.093
73	1.97	33.22		75	1.97	33.22		26.57	147	147	0.131
98	2.05	33.25		100	2.04	33.25		26.59	145	145	0.167
122	1.91	33.26		125	1.90	33.26		26.61	144	144	0.204
147	1.85	33.25		150	1.82	33.25		26.60	144	144	0.240
194	1.80	33.27		200	2.01	33.31		26.64	141	141	0.311
243	3.53	33.60		250	3.58	33.62		26.75	130	131	0.380
272	3.61	33.66		300	3.64	33.71		26.82	123	125	0.444
364	3.62	33.83		400	3.58	33.89		26.97	110	112	0.563
456	3.50	33.97		500	3.43	34.02		27.09	98	101	0.670
546	3.37	34.07		600	3.34	34.11		27.17	90	94	0.769
638	3.32	34.14		700	3.27	34.18		27.23	85	89	0.861
731	3.24	34.20		800	3.15	34.24		27.29	79	84	0.948
919	2.97	34.31		1000	2.82	34.35		27.41	68	74	1.107
1189	2.50	34.43		1250	2.44	34.45		27.52	58	64	1.281
1431	2.29	34.49		1500	2.22	34.51		27.58	52	58	1.435
1676	2.07	34.54		1750	2.02	34.55		27.63	46	54	1.576
1921	1.92	34.58		2000	1.88	34.59		27.67	43	50	1.707
2414	1.70	34.61		2500	1.68	34.62		27.71	39	47	1.955
2908	1.60	34.65		3000	1.59	34.66		27.75	35	45	2.188
3205	1.58	34.68									

STATION OS73100

LATITUDE 57-54 N LONGITUDE 176-17 W DATE 73-07-17 20:8 (GMT) DEPTH 3395 COL. 04 TR. 18

SEA 26 2A SWELL 27 1A WIND 26 03F AIR TEMP. DRY 06.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.92		0	6.60	32.92		25.86	215	215	0.000
10	6.51	32.89		10	6.51	32.89		25.85	216	216	0.022
20	6.27	33.00		20	6.27	33.00		25.96	205	205	0.043
29	2.29	33.09		30	2.27	33.10		26.45	159	158	0.061
49	1.85	33.17		50	1.85	33.17		26.54	150	150	0.092
73	2.03	33.23		75	2.03	33.23		26.58	146	146	0.129
98	2.00	33.26		100	2.00	33.26		26.60	144	144	0.165
122	1.94	33.26		125	1.93	33.26		26.61	144	144	0.201
147	1.88	33.26		150	1.88	33.26		26.61	143	143	0.238
194	2.31	33.36		200	2.47	33.39		26.67	138	138	0.308
242	3.62	33.62		250	3.64	33.64		26.76	129	130	0.376
292	3.45	33.70		300	3.45	33.72		26.84	122	123	0.439
390	3.58	33.88		400	3.58	33.89		26.97	109	112	0.557
487	3.50	34.00		500	3.47	34.02		27.08	99	102	0.665
585	3.31	34.12		600	3.29	34.13		27.19	89	93	0.763
682	3.23	34.18		700	3.21	34.19		27.24	84	88	0.854
780	3.13	34.24		800	3.10	34.25		27.30	78	83	0.940
976	2.84	34.35		1000	2.81	34.36		27.41	67	73	1.096
1208	2.53	34.43		1250	2.48	34.44		27.51	58	65	1.270
1451	2.24	34.50		1500	2.19	34.51		27.59	51	58	1.424
1695	2.04	34.55		1750	2.00	34.56		27.64	46	53	1.563
1939	1.89	34.58		2000	1.86	34.59		27.67	43	50	1.694
2429	1.71	34.62		2500	1.69	34.62		27.72	39	47	1.940
2920	1.61	34.65		3000	1.60	34.66		27.75	35	45	2.173
3216	1.58	34.68									

STATION OS73101

LATITUDE 58-02 N LONGITUDE 176-03 W DATE 73-07-18 00:6 (GMT) DEPTH 3260 COL. 04 TR. 16

SEA 26 2A SWELL 27 1A WIND 26 03F AIR TEMP. DRY 07.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.90	32.95		0	6.90	32.95		25.84	216	216	0.000
10	6.87	32.94		10	6.87	32.94		25.84	217	217	0.022
19	6.36	32.93		20	6.25	32.94		25.92	209	209	0.043
28	5.23	33.01		30	4.99	33.03		26.14	188	188	0.063
47	3.43	33.16		50	3.30	33.18		26.43	161	161	0.098
71	2.90	33.25		75	2.88	33.26		26.53	151	151	0.137
95	2.85	33.28		100	2.81	33.28		26.55	149	149	0.175
118	2.63	33.28		125	2.51	33.28		26.58	146	147	0.212
142	2.27	33.29		150	2.27	33.31		26.62	142	143	0.248
190	2.67	33.39		200	2.87	33.36		26.61	143	144	0.320
237	3.54	33.31		250	3.61	33.39		26.57	147	149	0.393
284	3.64	33.66		300	3.64	33.71		26.82	123	125	0.462
381	3.57	33.83		400	3.56	33.86		26.95	112	114	0.582
476	3.49	33.97		500	3.47	34.00		27.07	100	103	0.692
573	3.38	34.08		600	3.34	34.10		27.16	91	95	0.791
670	3.25	34.16		700	3.21	34.18		27.24	84	89	0.884
767	3.12	34.23		800	3.08	34.25		27.30	78	83	0.970
963	2.89	34.32		1000	2.83	34.34		27.39	69	75	1.129
1175	2.55	34.41		1250	2.45	34.43		27.50	59	65	1.305
1423	2.26	34.48		1500	2.18	34.50		27.58	52	59	1.461
1664	2.05	34.53		1750	2.00	34.55		27.63	47	54	1.603
1906	1.92	34.57		2000	1.88	34.58		27.67	43	51	1.735
2396	1.73	34.62		2500	1.70	34.63		27.72	39	47	1.982
2888	1.60	34.65		3000	1.59	34.66		27.75	35	45	2.214
3085	1.58	34.67									

STATION OS73102

LATITUDE 58-10 N LONGITUDE 175-52 W DATE 73-07-18 04.5 (GMT) DEPTH 2000 COL. 05 TR. 12
SEA 27 2A SWELL 28 1A WIND 27 03F AIR TEMP. DRY 07.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.30	32.80		0	7.30	32.80		25.67	233	233	0.000
10	6.96	32.83		10	6.96	32.83		25.74	226	226	0.023
19	6.25	32.91		20	6.11	32.92		25.92	209	209	0.045
29	4.78	32.97		30	4.63	32.98		26.14	188	188	0.065
49	2.41	33.10		50	2.38	33.11		26.45	159	159	0.100
73	2.37	33.20		75	2.38	33.21		26.53	151	151	0.138
98	2.50	33.25		100	2.50	33.25		26.56	149	149	0.176
123	2.41	33.26		125	2.40	33.26		26.57	147	147	0.213
147	2.34	33.28		150	2.34	33.28		26.59	145	145	0.250
196	2.66	33.36		200	2.73	33.37		26.63	141	142	0.322
245	3.48	33.55		250	3.51	33.57		26.72	133	135	0.391
294	3.64	33.68		300	3.64	33.69		26.81	125	127	0.457
392	3.55	33.86		400	3.54	33.87		26.96	110	113	0.577
490	3.46	34.00		500	3.45	34.01		27.08	99	102	0.686
588	3.35	34.11		600	3.32	34.12		27.18	90	94	0.784
687	3.14	34.20		700	3.12	34.21		27.26	81	86	0.874
786	3.03	34.25		800	3.01	34.26		27.31	77	82	0.958
985	2.76	34.35		1000	2.74	34.36		27.42	67	72	1.113
1197	2.53	34.44		1250	2.48	34.45		27.52	58	64	1.285
1437	2.29	34.48		1500	2.22	34.49		27.57	53	60	1.441
1678	2.04	34.51		1750	2.00	34.52		27.61	48	56	1.586
1823	1.97	34.54									

STATION OS73103

LATITUDE 58-05 N LONGITUDE 176-25 W DATE 73-07-18 07.9 (GMT) DEPTH 3200 COL. 04 TR. 11
SEA 25 1A SWELL 28 1A WIND 25 02F AIR TEMP. DRY 06.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.30	32.89		0	7.30	32.89		25.74	226	226	0.000
10	7.06	32.87		10	7.06	32.87		25.76	225	224	0.023
20	5.43	33.04		20	5.43	33.04		26.10	192	192	0.043
30	4.06	33.10		30	4.06	33.10		26.29	174	173	0.062
50	3.08	33.18		50	3.08	33.18		26.45	159	159	0.095
75	2.79	33.24		75	2.79	33.24		26.52	152	152	0.134
100	2.74	33.27		100	2.74	33.27		26.55	149	149	0.172
125	2.48	33.27		125	2.48	33.27		26.57	147	147	0.209
150	2.31	33.28		150	2.31	33.28		26.59	145	145	0.246
200	2.92	33.40		200	2.92	33.40		26.64	141	141	0.318
249	2.96	33.54		250	2.97	33.54		26.75	130	132	0.386
297	3.61	33.60		300	3.62	33.61		26.74	131	133	0.452
397	3.56	33.86		400	3.56	33.87		26.95	111	114	0.576
496	3.49	34.00		500	3.49	34.00		27.07	100	103	0.685
595	3.36	34.09		600	3.35	34.09		27.15	92	96	0.786
694	3.19	34.18		700	3.18	34.18		27.24	84	88	0.878
793	3.08	34.25		800	3.07	34.25		27.31	77	82	0.964
992	2.81	34.35		1000	2.80	34.35		27.41	68	73	1.121
1234	2.51	34.42		1250	2.49	34.43		27.49	60	66	1.296
1482	2.20	34.50		1500	2.18	34.50		27.58	51	58	1.453
1729	2.01	34.54		1750	2.00	34.54		27.63	47	54	1.594
1977	1.90	34.58		2000	1.89	34.58		27.67	43	51	1.727
2473	1.70	34.62		2500	1.69	34.62		27.71	39	47	1.975
2969	1.60	34.65		3000	1.60	34.65		27.75	36	45	2.209
3068	1.59	34.66									

STATION OS73104

LATITUDE 58-15 N LONGITUDE 176-13 W DATE 73-07-18 11.9 (GMT) DEPTH 2660 COL. TR.

SEA 25 1A SWELL 29 1A WIND 24 02F AIR TEMP. DRY 06.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.90	32.71		0	6.90	32.71		25.65	234	234	0.000
10	6.90	32.71		10	6.90	32.71		25.65	234	234	0.023
20	6.77	32.80		20	6.77	32.80		25.74	226	226	0.047
30	5.72	33.03		30	5.72	33.03		26.05	196	196	0.068
49	3.07	33.09		50	3.03	33.10		26.39	165	165	0.104
74	2.86	33.22		75	2.85	33.22		26.50	154	154	0.144
99	2.67	33.25		100	2.66	33.25		26.54	150	150	0.182
123	2.48	33.26		125	2.47	33.26		26.57	148	148	0.219
148	2.43	33.29		150	2.44	33.29		26.59	145	145	0.256
198	2.83	33.38		200	2.86	33.39		26.63	141	142	0.328
247	3.54	33.55		250	3.55	33.56		26.71	134	136	0.398
290	3.59	33.65		300	3.60	33.67		26.79	126	128	0.464
387	3.58	33.81		400	3.57	33.83		26.92	114	116	0.587
484	3.46	33.97		500	3.44	33.99		27.06	100	104	0.697
577	3.33	34.09		600	3.30	34.11		27.17	90	94	0.797
673	3.21	34.16		700	3.18	34.17		27.23	85	89	0.889
771	3.12	34.20		800	3.09	34.22		27.27	81	85	0.977
968	2.90	34.32		1000	2.85	34.34		27.39	69	75	1.138
1184	2.54	34.42		1250	2.46	34.44		27.51	58	64	1.314
1424	2.29	34.49		1500	2.22	34.51		27.58	51	58	1.468
1665	2.08	34.54		1750	2.02	34.55		27.63	46	54	1.610
1906	1.93	34.57		2000	1.88	34.58		27.67	43	51	1.742
2393	1.70	34.60									

STATION OS73105

LATITUDE 58-21 N LONGITUDE 176-01 W DATE 73-07-18 15.3 (GMT) DEPTH 1830 COL. 04 TR. 12

SEA 15 1A SWELL 26 1A WIND 15 01F AIR TEMP. DRY 05.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.79		0	6.70	32.79		25.74	226	226	0.000
10	6.79	32.72		10	6.79	32.72		25.67	232	232	0.023
20	6.77	32.72		20	6.77	32.72		25.68	232	232	0.046
30	6.12	32.82		30	6.12	32.82		25.84	217	217	0.069
50	3.87	33.09		50	3.87	33.09		26.30	173	173	0.108
75	3.10	33.19		75	3.10	33.19		26.46	158	158	0.149
100	2.97	33.23		100	2.97	33.23		26.50	154	154	0.188
125	2.78	33.26		125	2.78	33.26		26.54	150	150	0.227
150	2.53	33.29		150	2.53	33.29		26.58	146	146	0.264
200	2.62	33.34		200	2.62	33.34		26.62	143	143	0.336
250	3.38	33.51		250	3.38	33.51		26.68	136	138	0.407
299	3.63	33.62		300	3.63	33.62		26.75	130	132	0.475
398	3.61	33.81		400	3.61	33.81		26.90	116	118	0.600
498	3.51	33.95		500	3.51	33.95		27.02	104	107	0.714
598	3.39	34.07		600	3.39	34.07		27.13	94	98	0.817
698	3.23	34.17		700	3.23	34.17		27.23	85	90	0.911
797	3.14	34.24		800	3.14	34.24		27.29	79	84	0.998
997	2.85	34.34		1000	2.85	34.34		27.40	69	75	1.158
1246	2.51	34.43		1250	2.51	34.43		27.50	59	66	1.335
1495	2.45	34.50		1500	2.44	34.50		27.56	54	61	1.495
1645	2.22	34.52		1750	2.06	34.53		27.61	49	56	1.643
1794	1.99	34.53									

STATION OS73106

LATITUDE 58-29 N LONGITUDE 175-48 W DATE 73-07-18 18:0 (GMT) DEPTH 352 COL. 05 TR. 15
SEA 15 1A SWELL 26 1A WIND 15 01F AIR TEMP. DRY 06.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.40	32.73		0	6.40	32.73		25.73	227	226	0.000
10	6.39	32.72		10	6.39	32.72		25.73	227	227	0.023
20	5.87	32.80		20	5.87	32.80		25.85	215	215	0.045
30	4.87	32.86		30	4.87	32.86		26.02	200	200	0.066
50	3.23	33.02		50	3.23	33.02		26.31	172	172	0.103
75	2.91	33.09		75	2.91	33.09		26.39	164	164	0.145
100	2.85	33.19		100	2.85	33.19		26.48	156	156	0.185
125	2.82	33.24		125	2.82	33.24		26.52	152	152	0.224
150	2.70	33.26		150	2.70	33.26		26.55	150	150	0.262
200	2.65	33.29		200	2.65	33.29		26.57	147	147	0.336
249	2.66	33.33		250	2.67	33.33		26.61	144	145	0.410
299	3.07	33.45		300	3.08	33.45		26.67	138	139	0.481
349	3.45	33.61									

STATION OS73107

LATITUDE 58-33 N LONGITUDE 175-39 W DATE 73-07-18 19:1 (GMT) DEPTH 148 COL. 05 TR. 12
SEA 16 1A SWELL 28 1A WIND 16 01F AIR TEMP. DRY 05.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.70		0	6.60	32.70		25.68	231	231	0.000
10	6.34	32.70		10	6.34	32.70		25.72	228	228	0.023
20	5.55	32.76		20	5.55	32.76		25.86	215	214	0.045
29	4.07	32.82		30	3.97	32.83		26.09	193	193	0.066
49	2.91	32.95		50	2.88	32.95		26.29	174	174	0.102
74	2.62	33.04		75	2.62	33.04		26.38	165	165	0.145
98	2.55	33.10		100	2.54	33.10		26.43	160	160	0.186
123	2.44	33.13		125	2.44	33.13		26.47	157	157	0.226
142	2.46	33.14									

STATION OS73108

LATITUDE 58-33 N LONGITUDE 175-39 W DATE 73-07-18 20:8 (GMT) DEPTH 138 COL. 05 TR. 11
SEA 16 1A SWELL 28 1A WIND 16 02F AIR TEMP. DRY 05.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.63		0	6.70	32.63		25.62	238	238	0.000
10	6.45	32.64		10	6.45	32.64		25.66	234	234	0.024
20	5.97	32.64		20	5.97	32.64		25.72	228	228	0.047
30	3.53	32.73		30	3.53	32.73		26.05	197	196	0.068
50	2.40	32.87		50	2.40	32.87		26.26	177	177	0.105
75	2.38	32.97		75	2.38	32.97		26.34	169	169	0.149
100	2.29	33.04		100	2.29	33.04		26.40	163	163	0.190
124	2.24	33.07		125	2.24	33.07		26.43	160	160	0.231
134	2.20	33.07									

STATION OS73109

LATITUDE 58-56 N LONGITUDE 175-06 W DATE 73-07-18 22:9 (GMT) DEPTH 138 COL. 04 TR. 12
SEA 18 1A SWELL 21 1A WIND 18 02F AIR TEMP. DRY 06.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.40		0	6.70	32.40		25.44	255	255	0.000
10	6.52	32.39		10	6.52	32.39		25.45	254	253	0.025
20	6.47	32.43		20	6.47	32.43		25.49	250	250	0.051
30	5.42	32.56		30	5.42	32.56		25.72	228	228	0.075
49	3.39	32.78		50	3.30	32.79		26.12	190	190	0.117
74	1.97	32.86		75	1.97	32.87		26.29	174	174	0.162
99	2.40	32.99		100	2.41	32.99		26.36	167	167	0.205
123	2.48	33.06		125	2.49	33.06		26.40	163	163	0.246
128	2.50	33.06									

STATION OS73110

LATITUDE 59-02 N LONGITUDE 175-24 W DATE 73-07-19 00.5 (GMT) DEPTH 137 COL. 05 TR. 09
SEA 14 1A SWELL 18 1A WIND 14 01F AIR TEMP. DRY 06.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.50		0	6.70	32.50		25.51	248	247	0.000
10	6.47	32.59		10	6.47	32.59		25.61	238	238	0.024
20	6.30	32.61		20	6.30	32.61		25.65	234	234	0.048
30	4.31	32.67		30	4.31	32.67		25.93	208	208	0.070
50	2.30	32.83		50	2.30	32.83		26.24	179	179	0.109
75	2.16	32.95		75	2.16	32.95		26.34	169	169	0.153
100	2.17	32.96		100	2.17	32.96		26.35	168	168	0.195
124	1.95	33.01		125	1.93	33.01		26.41	162	162	0.236
134	1.67	33.05									

STATION OS73111

LATITUDE 58-53 N LONGITUDE 175-38 W DATE 73-07-19 02.2 (GMT) DEPTH 135 COL. 05 TR. 12
SEA 13 1A SWELL 18 1A WIND 13 02F AIR TEMP. DRY 06.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.75		0	6.70	32.75		25.71	229	229	0.000
10	6.22	32.75		10	6.22	32.75		25.77	223	223	0.023
20	6.18	32.75		20	6.18	32.75		25.78	223	223	0.045
30	5.09	32.78		30	5.09	32.78		25.93	208	208	0.067
50	2.63	32.87		50	2.63	32.87		26.24	179	178	0.105
75	2.22	32.99		75	2.22	32.99		26.37	166	166	0.148
100	2.18	33.04		100	2.18	33.04		26.41	162	162	0.190
124	1.98	33.07		125	1.97	33.07		26.45	158	158	0.230
130	1.93	33.07									

STATION OS73112

LATITUDE 58-40 N LONGITUDE 176-01 W DATE 73-07-19 04.3 (GMT) DEPTH 143 COL. 05 TR. 07
SEA 13 1A SWELL 18 1A WIND 11 02F AIR TEMP. DRY 06.8 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.39		0	6.60	32.39		25.44	255	254	0.000
10	6.43	32.60		10	6.43	32.60		25.63	237	237	0.025
20	5.77	32.82		20	5.77	32.82		25.88	213	212	0.047
30	5.68	32.84		30	5.68	32.84		25.91	210	210	0.068
50	3.10	32.96		50	3.10	32.96		26.27	176	175	0.107
74	2.59	33.03		75	2.58	33.03		26.37	166	166	0.150
99	2.45	33.09		100	2.45	33.09		26.43	160	160	0.191
124	2.37	33.12		125	2.37	33.12		26.46	158	158	0.230
134	2.36	33.12									

STATION OS73113

LATITUDE 58-32 N LONGITUDE 176-15 W DATE 73-07-19 05.8 (GMT) DEPTH 660 COL. TR.
SEA 15 2A SWELL 17 1A WIND 15 03F AIR TEMP. DRY 06.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.50	32.81		0	6.50	32.81		25.78	222	222	0.000
9	6.27	32.81		10	6.27	32.81		25.81	219	219	0.022
19	6.03	32.81		20	5.93	32.81		25.86	215	215	0.044
28	5.01	32.82		30	4.81	32.83		26.00	201	201	0.065
47	3.45	32.94		50	3.29	32.96		26.25	177	177	0.103
70	2.58	33.05		75	2.48	33.06		26.41	163	163	0.145
93	2.33	33.10		100	2.35	33.12		26.46	158	158	0.185
117	2.49	33.17		125	2.55	33.20		26.51	153	153	0.224
140	2.65	33.24		150	2.66	33.25		26.54	150	150	0.263
187	2.64	33.26		200	2.62	33.27		26.56	148	149	0.338
233	2.68	33.32		250	2.86	33.37		26.62	143	144	0.411
264	3.02	33.41		300	3.28	33.49		26.68	137	139	0.482
355	3.50	33.59		400	3.59	33.70		26.82	124	126	0.615
448	3.60	33.82		500	3.56	33.91		26.99	108	111	0.734
544	3.48	33.97									

STATION OS73114

LATITUDE 58-24 N LONGITUDE 176-28 W DATE 73-07-19 07.8 (GMT) DEPTH 1925 COL. 04 TR. 09

SEA 14 2A SWELL 19 1A WIND 14 03F AIR TEMP. DRY 07.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.60	32.83		0	6.60	32.83		25.79	222	221	0.000
8	6.70	32.83		10	6.67	32.83		25.77	223	223	0.022
16	6.45	32.82		20	6.16	32.82		25.83	217	217	0.044
24	5.78	32.83		30	4.91	32.88		26.03	198	198	0.065
40	3.45	32.99		50	3.21	33.06		26.34	169	169	0.102
61	2.94	33.11		75	2.88	33.15		26.44	159	159	0.143
81	2.88	33.16		100	2.84	33.20		26.48	155	156	0.183
101	2.84	33.20		125	2.74	33.21		26.50	154	154	0.221
126	2.74	33.21		150	2.71	33.25		26.54	151	151	0.260
162	2.71	33.27		200	2.63	33.30		26.58	146	147	0.334
221	2.65	33.32		250	2.88	33.39		26.63	141	142	0.407
262	3.00	33.42		300	3.27	33.52		26.70	135	136	0.477
386	3.61	33.72		400	3.62	33.75		26.85	120	123	0.607
471	3.56	33.88		500	3.52	33.92		27.00	107	110	0.724
558	3.44	33.99		600	3.40	34.04		27.10	97	101	0.830
646	3.36	34.09		700	3.26	34.13		27.19	88	93	0.927
735	3.20	34.16		800	3.17	34.21		27.26	82	87	1.017
824	3.16	34.23		1000	2.86	34.32		27.38	71	77	1.181
1001	2.86	34.32									

STATION OS73115

LATITUDE 58-17 N LONGITUDE 176-41 W DATE 73-07-19 11.2 (GMT) DEPTH 2860 COL. TR.

SEA 13 3A SWELL 19 2A WIND 13 04F AIR TEMP. DRY 06.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.40	32.80		0	6.40	32.80		25.79	221	221	0.000
8	6.37	32.80		10	6.38	32.79		25.79	222	221	0.022
17	6.08	32.79		20	5.51	32.81		25.90	211	210	0.044
25	4.56	32.85		30	4.20	32.89		26.12	190	190	0.064
41	3.42	32.99		50	3.09	33.04		26.34	169	169	0.100
62	2.88	33.10		75	2.83	33.15		26.45	159	159	0.141
83	2.85	33.18		100	2.81	33.21		26.50	154	154	0.180
124	2.75	33.24		125	2.75	33.24		26.53	151	152	0.219
145	2.69	33.26		150	2.67	33.26		26.55	149	149	0.256
166	2.63	33.28		200	2.61	33.31		26.59	145	146	0.330
204	2.62	33.31		250	3.09	33.44		26.65	139	140	0.402
279	3.39	33.54		300	3.49	33.61		26.75	130	132	0.471
356	3.61	33.76		400	3.59	33.83		26.92	114	117	0.595
435	3.54	33.87		500	3.48	33.96		27.03	104	107	0.708
598	3.38	34.07		600	3.38	34.07		27.13	94	98	0.811
683	3.28	34.15		700	3.26	34.17		27.22	86	90	0.905
768	3.17	34.22		800	3.12	34.24		27.29	79	84	0.993
958	2.89	34.32		1000	2.84	34.34		27.39	69	75	1.153
1167	2.67	34.39		1250	2.56	34.42		27.48	61	67	1.333
1382	2.38	34.46		1500	2.23	34.50		27.57	52	59	1.492
1600	2.12	34.52		1750	2.02	34.54		27.62	48	55	1.636
1824	1.98	34.54		2000	1.86	34.56		27.65	45	53	1.771
2048	1.83	34.56									

STATION OS73116

LATITUDE 58-11 N LONGITUDE 176-56 W DATE 73-07-19 15.5 (GMT) DEPTH 2320 COL. 05 TR. 09
SEA 11 4A SWELL 16 1A WIND 11 05F AIR TEMP. DRY 07.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.00	32.88		0	7.00	32.88		25.77	223	223	0.000
8	7.08	32.86		10	7.10	32.85		25.74	226	226	0.022
16	7.05	32.86		20	6.79	32.91		25.82	218	218	0.045
24	6.46	32.96		30	5.99	33.02		26.01	200	200	0.066
40	5.13	33.10		50	4.06	33.14		26.32	171	171	0.103
60	2.99	33.16		75	2.87	33.21		26.49	154	154	0.144
80	2.83	33.23		100	2.39	33.26		26.57	147	147	0.182
101	2.37	33.26		125	2.68	33.29		26.57	147	147	0.219
126	2.70	33.29		150	2.76	33.31		26.58	146	147	0.255
197	2.87	33.38		200	2.90	33.39		26.63	141	142	0.328
229	3.22	33.48		250	3.46	33.55		26.71	134	135	0.397
261	3.57	33.59		300	3.61	33.67		26.79	126	128	0.463
339	3.64	33.73		400	3.62	33.84		26.93	114	116	0.586
484	3.51	33.98		500	3.47	34.00		27.07	100	103	0.696
564	3.33	34.08		600	3.29	34.11		27.17	90	94	0.796
645	3.26	34.14		700	3.21	34.19		27.24	84	88	0.887
726	3.19	34.21		800	3.08	34.26		27.31	77	82	0.973
867	2.96	34.29		1000	2.75	34.36		27.42	67	72	1.129
1236	2.43	34.45		1250	2.42	34.45		27.52	57	63	1.300
1468	2.25	34.49		1500	2.22	34.50		27.57	52	59	1.454
1704	2.06	34.53		1750	2.03	34.54		27.62	48	55	1.598
1988	1.87	34.59									

STATION OS73117

LATITUDE 58-18 N LONGITUDE 177-07 W DATE 73-07-19 18.3 (GMT) DEPTH 3090 COL. 04 TR. 15
SEA 11 4A SWELL 13 1A WIND 11 05F AIR TEMP. DRY 07.2 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.10	32.77		0	7.10	32.77		25.67	232	232	0.000
8	6.92	32.79		10	6.86	32.78		25.72	228	228	0.023
17	6.46	32.80		20	6.14	32.86		25.87	214	214	0.045
25	5.52	32.98		30	4.81	33.05		26.17	185	185	0.065
42	3.11	33.13		50	3.09	33.16		26.43	160	160	0.100
64	3.06	33.19		75	2.92	33.21		26.49	155	155	0.139
85	2.75	33.22		100	2.47	33.23		26.54	150	150	0.178
106	2.39	33.23		125	2.46	33.26		26.56	148	148	0.215
127	2.48	33.26		150	2.45	33.28		26.58	146	146	0.252
172	2.37	33.30		200	2.35	33.31		26.62	143	143	0.325
235	2.32	33.36		250	2.55	33.42		26.69	136	137	0.395
276	2.97	33.53		300	3.13	33.59		26.77	128	129	0.462
343	3.28	33.68		400	3.60	33.82		26.91	115	118	0.586
401	3.60	33.82		500	3.48	33.97		27.04	103	106	0.698
570	3.40	34.05		600	3.35	34.10		27.16	91	95	0.800
655	3.25	34.19		700	3.19	34.22		27.26	81	86	0.891
742	3.15	34.23		800	3.09	34.26		27.31	77	82	0.975
948	2.92	34.33		1000	2.85	34.35		27.40	68	74	1.132
1158	2.63	34.41		1250	2.48	34.44		27.51	58	65	1.307
1375	2.30	34.48		1500	2.17	34.51		27.59	51	57	1.461
1596	2.09	34.53		1750	2.00	34.56		27.64	46	53	1.601
1824	1.96	34.57		2000	1.86	34.60		27.68	42	50	1.730
2052	1.83	34.60		2500	1.70	34.56		27.67	43	52	1.986
2521	1.70	34.56		3000	1.60	34.65		27.74	36	46	2.232
3001	1.60	34.65									

STATION OS73118

LATITUDE 58-26 N LONGITUDE 176-54 W DATE 73-07-19 22.3 (GMT) DEPTH 1920 COL. 05 TR. 09
SEA 11 4A SWELL 13 1A WIND 11 05F AIR TEMP. DRY 07.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.40	32.82		0	6.40	32.82		25.80	220	220	0.000
9	6.48	32.81		10	6.49	32.81		25.78	222	222	0.022
18	6.40	32.82		20	6.27	32.82		25.82	218	218	0.044
27	5.64	32.84		30	5.22	32.87		25.99	203	203	0.065
45	3.12	33.03		50	3.02	33.05		26.35	168	168	0.102
68	2.65	33.09		75	2.68	33.12		26.44	160	160	0.144
91	2.82	33.19		100	2.84	33.21		26.50	154	154	0.183
113	2.83	33.23		125	2.80	33.24		26.52	152	152	0.221
136	2.77	33.24		150	2.73	33.25		26.54	150	151	0.259
184	2.66	33.29		200	2.60	33.30		26.58	146	147	0.334
241	2.59	33.33		250	2.67	33.35		26.62	142	143	0.407
281	3.03	33.44		300	3.26	33.49		26.68	137	138	0.477
320	3.47	33.55		400	3.62	33.75		26.85	121	123	0.608
401	3.62	33.75		500	3.47	33.92		27.00	106	109	0.725
568	3.37	34.01		600	3.37	34.05		27.11	96	100	0.830
654	3.37	34.10		700	3.31	34.13		27.19	89	93	0.927
740	3.25	34.16		800	3.18	34.21		27.26	81	87	1.018
829	3.14	34.24		1000	2.87	34.33		27.38	70	76	1.181
1009	2.85	34.33									

STATION OS73119

LATITUDE 58-33 N LONGITUDE 176-41 W DATE 73-07-20 01.2 (GMT) DEPTH 429 COL. 05 TR. 06
SEA 16 4A SWELL 14 1A WIND 16 05F AIR TEMP. DRY 07.2 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.81		0	6.70	32.81		25.76	224	224	0.000
7	6.75	32.78		10	6.67	32.80		25.75	225	225	0.022
14	6.57	32.84		20	6.62	32.88		25.82	219	219	0.045
21	6.60	32.88		30	4.58	32.92		26.09	193	193	0.065
34	3.68	32.93		50	2.90	33.02		26.34	169	169	0.102
51	2.91	33.03		75	2.89	33.11		26.41	162	162	0.143
85	2.88	33.14		100	2.81	33.18		26.48	156	156	0.183
102	2.80	33.19		125	2.80	33.22		26.50	154	154	0.222
133	2.82	33.22		150	2.83	33.24		26.52	152	153	0.260
165	2.84	33.25		200	2.74	33.27		26.55	149	150	0.336
232	2.70	33.29		250	2.78	33.32		26.59	146	147	0.411
272	2.91	33.36		300	3.06	33.41		26.63	141	143	0.483
312	3.13	33.43									

STATION OS73120

LATITUDE 58-43 N LONGITUDE 176-27 W DATE 73-07-20 03.2 (GMT) DEPTH 135 COL. 05 TR. 10
SEA 11 4A SWELL 14 1A WIND 11 05F AIR TEMP. DRY 07.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.50	32.08		0	6.50	32.08		25.21	277	276	0.000
8	6.37	32.04		10	6.37	32.19		25.31	267	266	0.027
17	6.34	32.72		20	6.28	32.78		25.79	222	221	0.052
25	6.08	32.80		30	5.46	32.82		25.92	209	209	0.073
41	4.09	32.85		50	3.13	32.89		26.21	181	181	0.112
62	1.84	32.95		75	1.93	33.03		26.43	161	161	0.155
83	1.99	33.08		100	1.88	33.11		26.49	155	155	0.195
104	1.82	33.11									

STATION OS73121

LATITUDE 58-53 N LONGITUDE 176-13 W DATE 73-07-20 04.7 (GMT) DEPTH 133 COL. 05 TR. 12
SEA 10 3A SWELL 15 1A WIND 10 04F AIR TEMP. DRY 06.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.50	31.82		0	6.50	31.82		25.00	296	296	0.000
9	6.33	31.82		10	6.28	31.88		25.08	289	289	0.029
18	5.86	32.35		20	5.15	32.40		25.62	238	237	0.056
26	3.04	32.47		30	1.96	32.52		26.01	200	200	0.078
44	0.13	32.68		50	0.34	32.79		26.33	170	170	0.115
65	1.50	33.04		75	1.47	33.10		26.51	153	153	0.155
88	1.42	33.11		100	1.39	33.11		26.53	151	151	0.193
109	1.38	33.11		125	1.36	33.10		26.52	152	152	0.231
131	1.36	33.10									

STATION OS73122

LATITUDE 59-03 N LONGITUDE 175-56 W DATE 73-07-20 06.3 (GMT) DEPTH 142 COL. 05 TR. 09
SEA 12 3A SWELL 15 1A WIND 12 04F AIR TEMP. DRY 07.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.50	32.20		0	6.50	32.20		25.30	268	267	0.000
9	6.42	32.20		10	6.47	32.20		25.31	267	267	0.027
18	6.37	32.24		20	5.84	32.24		25.41	257	257	0.053
28	3.74	32.24		30	3.37	32.28		25.70	229	229	0.077
46	1.54	32.66		50	1.46	32.73		26.22	181	181	0.118
69	1.10	32.97		75	1.20	33.02		26.46	157	157	0.161
92	1.50	33.10		100	1.44	33.11		26.52	152	152	0.200
115	1.26	33.10		125	1.23	33.10		26.53	151	151	0.238
138	1.26	33.10									

STATION OS73123

LATITUDE 58-06 N LONGITUDE 177-26 W DATE 73-07-20 21.2 (GMT) DEPTH 3425 COL. 04 TR. 16
SEA 08 2A SWELL 13 1A WIND 08 03F AIR TEMP. DRY 07.4 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.90	32.91		0	6.90	32.91		25.81	219	219	0.000
10	6.78	32.91		10	6.78	32.91		25.83	218	218	0.022
20	5.38	32.97		20	5.38	32.97		26.05	197	197	0.043
29	2.93	33.08		30	2.90	33.09		26.39	164	164	0.061
49	2.34	33.14		50	2.35	33.14		26.48	156	155	0.093
74	2.81	33.25		75	2.82	33.25		26.53	151	151	0.131
98	2.78	33.27		100	2.75	33.27		26.55	149	149	0.169
123	2.47	33.28		125	2.46	33.28		26.58	146	146	0.206
147	2.51	33.31		150	2.54	33.32		26.61	144	144	0.242
192	3.03	33.44		200	3.09	33.46		26.67	138	138	0.313
240	3.32	33.55		250	3.39	33.57		26.73	132	133	0.382
288	3.61	33.66		300	3.63	33.69		26.80	125	127	0.447
385	3.59	33.84		400	3.57	33.86		26.94	112	114	0.568
482	3.48	33.96		500	3.47	33.98		27.05	101	105	0.678
579	3.40	34.08		600	3.37	34.10		27.16	92	96	0.779
677	3.24	34.17		700	3.20	34.19		27.24	83	88	0.871
775	3.09	34.25		800	3.06	34.26		27.32	77	82	0.956
971	2.85	34.34		1000	2.81	34.35		27.41	68	74	1.112
1192	2.54	34.43		1250	2.46	34.45		27.51	58	64	1.286
1434	2.25	34.49		1500	2.19	34.50		27.58	51	58	1.440
1677	2.04	34.54		1750	1.98	34.55		27.64	46	53	1.580
1922	1.85	34.58		2000	1.81	34.59		27.68	42	49	1.710
2414	1.67	34.63		2500	1.65	34.63		27.72	38	46	1.951
2907	1.60	34.63		3000	1.59	34.63		27.73	37	47	2.185
3400	1.59	34.66									

STATION OS73124

LATITUDE 58-31 N LONGITUDE 176-40 W DATE 73-07-21 03.4 (GMT) DEPTH 850 COL. 05 TR. 08
SEA 14 1A SWELL 10 1A WIND 14 03F AIR TEMP. DRY 07.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.70	32.82		0	6.70	32.82		25.77	224	223	0.000
10	6.45	32.81		10	6.45	32.81		25.79	221	221	0.022
20	6.40	32.81		20	6.40	32.81		25.80	221	221	0.044
29	5.82	32.82		30	5.70	32.83		25.90	211	211	0.066
49	3.40	32.99		50	3.35	33.00		26.28	175	175	0.105
72	2.96	33.10		75	2.93	33.11		26.41	163	163	0.147
97	2.80	33.16		100	2.79	33.16		26.46	158	158	0.187
122	2.76	33.19		125	2.76	33.20		26.49	155	155	0.227
146	2.75	33.24		150	2.74	33.25		26.53	151	151	0.265
191	2.61	33.28		200	2.53	33.28		26.58	147	147	0.340
240	2.38	33.30		250	2.50	33.32		26.61	143	144	0.413
287	3.06	33.43		300	3.18	33.46		26.67	138	140	0.484
382	3.60	33.67		400	3.62	33.71		26.82	123	126	0.617
478	3.56	33.87		500	3.53	33.91		26.99	108	111	0.736
576	3.43	34.01		600	3.41	34.03		27.10	97	101	0.843
670	3.34	34.10		700	3.30	34.13		27.19	89	93	0.940
729	3.25	34.16									

STATION OS73125

LATITUDE 57-56 N LONGITUDE 175-00 W DATE 73-07-21 22.5 (GMT) DEPTH 3200 COL. 04 TR. 20
SEA 11 1A SWELL 17 1A WIND 11 02E AIR TEMP. DRY 08.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.90	32.93		0	7.90	32.93		25.69	231	231	0.000
10	7.45	32.95		10	7.45	32.95		25.77	224	223	0.023
20	7.39	32.96		20	7.39	32.96		25.78	222	222	0.045
30	5.73	33.08		30	5.73	33.08		26.09	193	193	0.066
50	3.85	33.20		50	3.85	33.20		26.39	164	164	0.102
75	3.84	33.25		75	3.84	33.25		26.43	160	160	0.142
100	2.93	33.32		100	2.93	33.32		26.57	147	147	0.181
125	2.81	33.32		125	2.81	33.32		26.58	146	146	0.218
149	2.58	33.31		150	2.56	33.31		26.60	145	145	0.254
199	1.96	33.37		200	1.97	33.37		26.69	136	136	0.325
249	3.03	33.43		250	3.05	33.44		26.66	139	140	0.394
278	3.54	33.59		300	3.55	33.66		26.78	127	129	0.461
371	3.58	33.77		400	3.57	33.83		26.92	114	117	0.585
464	3.53	33.95		500	3.49	34.00		27.06	100	104	0.695
556	3.41	34.06		600	3.34	34.10		27.15	92	96	0.796
649	3.26	34.13		700	3.20	34.17		27.23	85	89	0.888
744	3.15	34.21		800	3.08	34.25		27.30	78	83	0.975
932	2.92	34.31		1000	2.82	34.34		27.39	69	75	1.134
1122	2.65	34.38		1200	2.55	34.41		27.47	62	68	1.278
1409	2.34	34.47									

STATION OS73126

LATITUDE 56-45 N LONGITUDE 174-24 W DATE 73-07-22 07.1 (GMT) DEPTH 3170 COL. 04 TR. 17
SEA SWELL 17 1A WIND CALM AIR TEMP. DRY 08.0 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.80	33.06		0	7.80	33.06		25.80	220	220	0.000
10	7.42	33.06		10	7.42	33.06		25.86	215	215	0.022
20	7.18	33.07		20	7.18	33.07		25.90	211	211	0.043
30	4.60	33.12		30	4.60	33.12		26.25	177	177	0.063
50	3.02	33.22		50	3.02	33.22		26.49	155	155	0.096
75	2.64	33.26		75	2.64	33.26		26.55	149	149	0.134
100	2.59	33.29		100	2.59	33.29		26.58	146	147	0.171
125	2.47	33.30		125	2.47	33.30		26.60	145	145	0.208
150	2.36	33.30		150	2.36	33.30		26.61	144	144	0.244
200	3.19	33.47		200	3.19	33.47		26.67	138	139	0.315
250	3.67	33.64		250	3.67	33.64		26.76	129	131	0.383
299	3.65	33.72		300	3.65	33.72		26.83	123	125	0.447
398	3.56	33.86		400	3.56	33.86		26.95	111	114	0.566
498	3.44	33.99		500	3.44	33.99		27.06	101	104	0.676
597	3.32	34.10		600	3.31	34.10		27.16	91	95	0.776
697	3.15	34.18		700	3.15	34.18		27.24	84	88	0.868
797	3.04	34.25		800	3.04	34.25		27.31	77	82	0.953
996	2.81	34.34		1000	2.81	34.34		27.40	69	74	1.111
1196	2.58	34.40		1200	2.58	34.40		27.47	62	69	1.255
1495	2.24	34.49									

STATION OS73127

LATITUDE 55-21 N LONGITUDE 170-36 W DATE 73-07-23 07.1 (GMT) DEPTH 3270 COL. 05 TR. 11
SEA 31 2A SWELL 23 1A WIND 31 02F AIR TEMP. DRY 08.4 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.90	32.82		0	7.90	32.82		25.60	239	239	0.000
10	7.71	32.82		10	7.71	32.82		25.63	237	237	0.024
20	6.52	32.82		20	6.52	32.82		25.79	221	221	0.047
30	4.77	32.84		30	4.77	32.84		26.01	200	200	0.068
50	4.09	32.94		50	4.09	32.94		26.16	186	186	0.107
75	4.16	33.09		75	4.16	33.09		26.27	175	176	0.152
100	3.52	33.15		100	3.52	33.15		26.39	165	165	0.195
125	3.84	33.25		125	3.84	33.25		26.43	160	161	0.236
150	3.72	33.28		150	3.72	33.28		26.47	157	158	0.275
200	3.43	33.33		200	3.43	33.33		26.54	150	151	0.353
250	3.19	33.39		250	3.19	33.39		26.61	144	145	0.427
298	3.43	33.53		300	3.44	33.53		26.70	135	137	0.498
398	3.58	33.70		400	3.58	33.70		26.82	124	126	0.630
497	3.53	33.88		500	3.53	33.88		26.97	109	113	0.750
597	3.44	34.01		600	3.44	34.01		27.08	99	103	0.858
696	3.30	34.11		700	3.30	34.11		27.17	90	95	0.957
796	3.19	34.19		800	3.19	34.19		27.25	83	88	1.049
995	2.93	34.31		1000	2.92	34.31		27.37	72	78	1.216
1193	2.68	34.37		1200	2.67	34.37		27.44	65	72	1.367
1492	2.30	34.47									

STATION OS73128

LATITUDE 46-48 N LONGITUDE 160-16 E DATE 73-08-11 19.1 (GMT) DEPTH 5180 COL. 04 TR. 12
SEA 23 2A SWELL 21 1A WIND 23 03F AIR TEMP. DRY 12.0 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.00	32.78		0	11.00	32.78		25.07	290	290	0.000
10	10.92	32.78		10	10.92	32.78		25.08	288	288	0.029
20	9.03	32.83		20	9.03	32.83		25.44	255	255	0.056
29	5.31	32.99		30	5.20	33.00		26.09	193	193	0.079
49	3.03	33.04		50	2.96	33.04		26.35	168	168	0.115
73	1.93	33.07		75	1.90	33.07		26.46	158	158	0.156
98	1.84	33.09		100	1.81	33.09		26.48	156	156	0.195
122	1.72	33.15		125	1.82	33.19		26.56	148	148	0.233
147	2.73	33.52		150	2.80	33.55		26.77	129	129	0.268
195	3.36	33.80		200	3.38	33.82		26.93	113	114	0.329
244	3.43	33.91		250	3.43	33.92		27.00	106	107	0.385
294	3.38	33.97		300	3.36	33.98		27.06	101	103	0.437
342	3.26	34.04		400	3.25	34.11		27.17	90	93	0.536
426	3.26	34.13		500	3.14	34.19		27.25	83	86	0.626
513	3.11	34.20		600	3.02	34.26		27.31	77	80	0.709
602	3.02	34.26		700	3.00	34.28		27.34	75	79	0.789
791	2.93	34.31		800	2.91	34.32		27.37	71	76	0.867
876	2.73	34.38		1000	2.56	34.43		27.49	60	65	1.010
1065	2.50	34.44		1200	2.35	34.48		27.55	55	61	1.136
1353	2.18	34.51									

5 Data on Salmon Gillnet Fishing

Twenty five gillnet sets were performed in various locations. In every case, except one different mesh sizes, i. e, 48 mm, 55 mm, 63 mm, 72 mm, 82 mm, 93 mm, 106 mm, 121 mm, 138 mm and 157 mm, in streched measure, were used.

The number of tan (1 tan = 50 m long) varies from 65 to 135 at different fishing locations.

Operation was supervised by the captain and deck officers, and all hands of cadets and crew were engaged in the work. Number of fish in each species caught was recorded by deck officers.

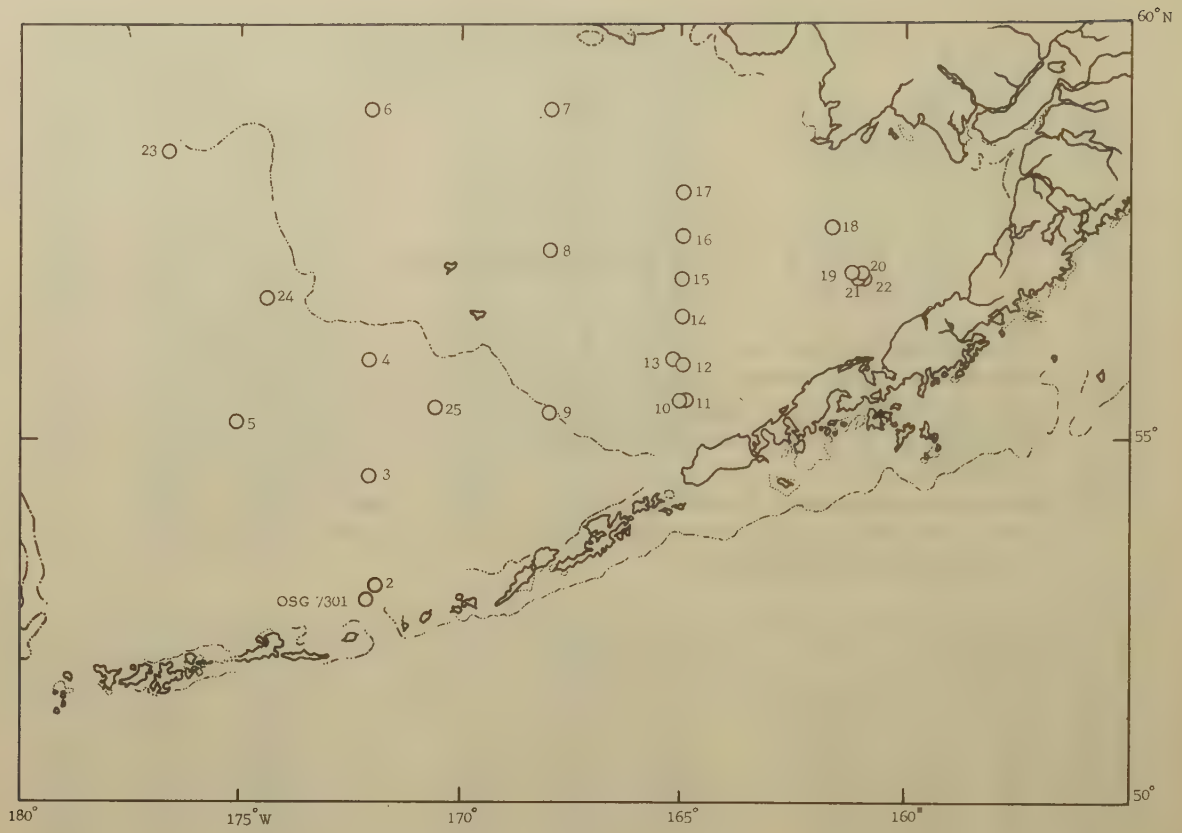


Fig. 3 Locations of salmon gillnet fishing

Table 3 Data on salmon gillnet fishing.

No. of fishing	Date and time (S.M.T.) Net set	Net haul	Position Lat.(N)	Long.(E)	Direction of drift toward	W^r	Wind
OSG 7301	June 13 1918-2024	June 14 0309-0558	52-51	172-06	270	o	NNE 3
OSG 7302	14 1814-1912	15 0307-0555	53-04	171-50	320	o	WNW 3
OSG 7303	15 1843-1943	16 0304-0526	54-30	172-03	330	bc	NW 4
OSG 7304	16 1802-1858	17 0103-0533	56-00	172-00	150	bc	NW 3
OSG 7305	17 1825-1922	18 0302-0540	55-14	175-00	340	bc	SSW 2
OSG 7306	22 1803-1858	23 0304-0531	59-00	172-00	300	bc	East 1
OSG 7307	23 1804-1909	24 0301-0540	59-00	168-00	315	bc	NNW 3
OSG 7308	24 1805-1900	25 0310-0540	57-20	167-59	170	b	NW 3
OSG 7309	25 1803-1806	26 0310-0540	55-20	168-00	150	f	NW 1
OSG 7310	26 1803-1912	27 0310-0611	55-30	165-00	150	f	WSW 2
OSG 7311	27 0701-0803	27 1358-1637	55-30	164-53	340	o	SE 2
OSG 7312	27 1853-2012	28 0312-0628	56-00	165-00	330	bc	Calm
OSG 7313	28 0635-0708	28 1413-1546	56-03	165-06	330	o	ESE 4
OSG 7314	28 1812-1917	29 0305-0640	56-30	165-00	340	o	ENE 4
OSG 7315	29 1802-1901	30 0331-0647	57-00	165-00	320	f	ESE 2
OSG 7316	30 1836-1946	31 0322-0605	57-31	165-00	330	f	Calm
OSG 7317	July 1 1810-1905	July 2 0305-0538	58-00	165-00	330	o	Calm
OSG 7318	3 1803-1906	4 0305-0545	57-37	161-39	330	bc	Calm
OSG 7319	4 1803-1900	5 0315-0631	57-03	161-08	150	b	WSW 2
OSG 7320	5 0636-0727	5 1822-1440	57-01	161-02	150	o	WSW 1
OSG 7321	5 1915-2025	6 0306-0710	56-59	161-03	140	f	WNW 3
OSG 7322	6 0752-0856	6 1404-1750	56-57	160-56	140	f	WSW 3
OSG 7323	20 1901-1959	21 0404-0616	58-25	176-37	30	f	SSE 3
OSG 7324	21 1900-2002	22 0413-0611	56-45	174-24	70	f	Calm
OSG 7325	22 1900-1952	23 0403-0646	55-24	170-37	150	f	WNW 2

W^r : Weather

No. of F.	S.T. (°C)	T^r (m)	Amount of net cast (tan) Mesh Size (mm) 48	55	63	72	82	93	106	115	119	121	130	138	157	Total
1	3.9	15	3	3	3	3	3	3	3	5	4	61	28	3	3	125
2	5.1	8	3	3	3	3	3	3	3	5	4	61	28	3	3	125
3	5.1	13	3	3	3	3	3	3	3	5	4	61	28	3	3	125
4	5.5	7	3	3	3	3	3	3	3	5	4	61	28	3	3	125
5	6.2	10	3	3	3	3	3	3	3	5	4	61	28	3	3	125
6	4.0	12	3	3	3	3	3	3	3	5	4	61	28	3	3	125
7	2.6	10	3	3	3	3	3	3	3	5	4	61	28	3	3	125
8	3.6	9	3	3	3	3	3	3	3	5	4	61	28	3	3	125
9	5.8	4	3	3	3	3	3	3	3	5	4	61	28	3	3	125
10	6.8	10	3	3	3	3	3	3	3	5	4	71	28	3	3	135
11	6.1	10	3	3	3	3	3	3	3	5	4	71	28	3	3	135
12	6.2	10	3	3	3	3	3	3	3	5	4	71	28	3	3	135
13	-	10	-	-	-	1	-	2	-	-	-	44	18	-	-	65
14	4.5	13	3	3	3	3	3	3	3	5	4	71	28	3	3	135
15	3.3	13	3	3	3	3	3	3	3	5	4	71	28	3	3	135
16	4.0	14	3	3	3	1	3	3	3	5	4	71	28	3	3	133
17	5.2	15	3	3	3	1	3	3	3	5	4	71	28	3	3	133
18	4.6	11	3	3	3	1	3	3	3	5	4	71	28	3	3	133
19	7.2	6	3	3	3	1	3	3	3	5	4	71	28	3	3	133
20	-	6	3	3	3	1	3	3	3	5	4	71	28	3	3	133
21	-	6	3	3	3	1	3	3	3	5	4	71	28	3	3	133
22	-	6	3	3	3	1	3	3	3	5	4	71	28	3	3	133
23	6.7	8	2	2	3	1	3	3	3	5	3	67	28	3	3	126
24	7.8	17	2	2	3	1	3	3	3	5	3	67	28	3	3	126
25	7.9	11	2	2	3	1	3	3	3	5	3	67	28	3	3	126

S.T. : Surfece temperature T^r : Transparency

No. of F.	Sockeye (catch number)													Total
	48	55	63	72	82	93	106	115	119	121	130	138	157	
1	1	1	1	0	0	2	8	12	4	70	40	8	2	149
2	3	3	6	0	2	1	2	5	13	110	63	6	1	215
3	0	0	0	0	1	0	0	0	1	6	2	0	0	10
4	0	0	0	0	0	0	1	0	0	33	17	0	0	51
5	0	0	0	0	0	0	0	1	1	28	14	1	0	45
6	0	0	0	0	0	1	2	1	2	19	11	1	5	42
7	0	0	0	0	0	0	1	0	0	5	1	0	1	8
8	0	1	0	2	0	2	3	22	3	173	72	1	2	281
9	1	0	5	2	1	1	4	8	6	176	75	8	10	297
10	0	0	5	13	16	2	29	7	17	327	110	20	14	560
11	4	1	4	2	2	12	5	7	4	132	83	7	7	270
12	3	1	1	3	3	5	4	30	6	331	138	3	8	536
13	-	-	-	5	-	5	-	-	-	246	0	-	-	256
14	3	4	2	8	4	5	16	17	11	604	205	10	14	903
15	1	1	4	3	7	6	6	24	15	296	134	5	12	514
16	0	0	0	0	0	3	0	1	1	26	11	2	0	44
17	0	0	1	0	1	0	1	1	1	8	7	0	2	22
18	0	0	0	0	0	1	0	1	0	21	10	1	0	34
19	0	1	2	6	4	1	2	4	2	53	41	5	5	126
20	1	1	10	4	9	1	12	16	5	177	81	9	8	334
21	2	4	3	3	11	2	11	13	10	172	71	14	14	330
22	0	1	6	2	5	5	15	13	5	177	92	12	14	347
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	0	0	0	0	0	0	0	3	1	0	0	5

No. of F.	Chum (catch number)													Total
	48	55	63	72	82	93	106	115	119	121	130	138	157	
1	1	0	0	0	0	0	2	6	20	117	49	15	3	213
2	1	0	0	0	0	1	0	8	1	89	26	0	1	127
3	0	0	0	0	0	0	0	6	0	16	4	1	0	27
4	0	1	0	1	0	1	1	2	3	61	22	0	2	94
5	0	0	0	0	1	0	1	1	0	10	7	0	0	20
6	0	0	0	0	0	1	3	3	14	52	27	6	3	109
7	0	0	0	1	0	0	3	1	2	62	32	4	6	111
8	0	0	0	0	0	0	0	3	3	75	36	4	1	122
9	0	0	2	0	0	1	2	8	3	119	60	9	6	210
10	0	0	3	3	4	0	15	14	11	264	121	19	19	473
11	0	0	0	0	0	3	12	5	0	99	84	6	3	212
12	1	0	1	0	1	2	5	36	6	294	96	7	13	462
13	-	-	-	0	-	0	-	-	-	79	32	-	-	111
14	1	1	2	13	3	8	30	14	21	752	263	34	21	1163
15	0	0	1	1	2	1	5	22	7	288	164	5	14	510
16	0	0	1	0	2	1	12	10	8	169	101	16	10	330
17	0	0	1	0	0	0	2	5	7	116	41	4	2	178
18	0	0	0	0	0	0	0	1	1	86	32	4	1	125
19	0	0	2	3	1	2	2	4	4	87	55	9	7	176
20	0	0	0	1	1	4	9	23	11	361	133	12	20	575
21	0	0	2	0	1	0	14	27	8	282	129	12	11	486
22	0	0	0	0	2	1	11	17	10	269	102	26	14	452
23	0	0	0	0	0	0	0	0	0	29	5	0	0	34
24	0	0	0	0	0	0	0	0	0	1	0	0	0	1
25	0	0	2	0	4	4	5	2	1	66	18	1	0	103

No. of F.	Pink (catch number)													Total
	48	55	63	72	82	93	106	115	119	121	130	138	157	
1	0	0	0	0	0	2	13	0	2	29	1	4	0	51
2	0	0	0	0	0	0	2	1	1	32	11	1	0	48
3	0	0	0	0	0	0	1	0	0	4	2	0	0	7
4	0	0	0	0	0	1	0	6	0	25	4	0	0	36
5	0	0	0	0	0	0	5	3	1	24	5	0	0	38
6	0	0	0	0	0	1	4	5	7	48	22	2	0	89
7	0	0	0	0	0	0	2	1	3	27	7	0	0	40
8	0	0	0	0	0	0	1	0	0	15	2	0	0	18
9	0	0	0	0	0	0	0	1	0	6	3	0	0	10
10	0	0	0	0	1	0	4	7	1	14	0	1	1	29
11	0	0	0	0	0	3	0	0	0	8	2	0	0	13
12	0	0	0	0	0	0	0	0	0	11	4	0	0	15
13	-	-	-	0	-	0	-	-	-	1	0	-	-	1
14	0	0	0	1	1	3	5	10	1	45	14	2	2	84
15	0	0	0	0	0	1	2	1	1	9	7	0	0	21
16	0	0	0	0	0	1	3	0	2	37	6	0	0	49
17	1	0	0	0	0	0	0	0	1	10	3	0	0	15
18	0	0	0	0	0	0	0	0	0	2	1	0	0	3
19	0	0	0	0	0	0	0	0	0	1	0	0	0	1
20	0	0	0	0	1	1	0	0	0	3	0	0	1	6
21	0	0	0	0	0	0	0	0	0	3	0	0	0	3
22	0	0	0	0	0	0	1	0	0	1	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	4	0	0	0	5

No. of F.	Coho (catch number)													Total
	48	55	63	72	82	93	106	115	119	121	130	138	157	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	-	-	-	0	-	0	-	-	-	0	0	-	-	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	1	0	0	0	0	1	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	5	0	0	0	5

No. of F	Chinook (catch number)													Total
	48	55	63	72	82	93	106	115	119	121	130	138	157	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	3	0	0	0	5
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	0	1	0	0	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	0	8	1	0	0	10
10	0	0	0	0	0	0	1	0	0	6	1	1	0	9
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	-	-	-	0	-	0	-	-	-	0	0	-	-	0
14	0	0	0	0	0	0	0	0	0	2	1	0	0	3
15	0	0	0	0	0	0	0	0	0	1	0	0	0	1
16	0	0	0	0	0	0	0	0	1	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	0	0	0	0	0	0	0	1	2
23	0	0	0	0	0	0	0	0	0	1	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4 Biological characteristics of salmon.

SOCKEYE SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G01	130	F	635	3260	150	2.3	4.8	1.27			M	510	1680	28	1.2	1.7	1.27
		F	615	2770	93	-	3.5	1.19			M	523	1900	40	2.2	2.2	1.33
		F	595	2480	84	2.3	3.5	1.18			F	493	1500	72	2.3	5.0	1.25
		M	640	3510	45	2.3	1.3	1.34			M	671	4120	68	2.2	1.7	1.36
		M	590	2830	44	2.2	1.6	1.38			M	658	3860	53	2.2	1.4	1.35
		F	640	2960	130	2.3	4.6	1.13			M	648	3800	73	1.3	2.0	1.40
		F	615	2920	118	1.3	4.2	1.26		121-C	F	557	2200	124	1.4	6.0	1.27
		F	560	2230	86	-	4.0	1.27			F	545	2160	72	1.3	3.4	1.33
		F	620	2900	105	1.3	3.8	1.22			M	555	2250	44	2.2	2.0	1.32
		M	570	3540	43	1.3	1.2	1.91			M	684	3840	22	1.3	0.6	1.20
		M	600	2700	32	-	1.2	1.25			F	546	2000	80	1.4	4.2	1.23
		F	630	3660	100	2.3	2.8	1.46			F	597	2860	125	2.2	4.6	1.34
		F	596	2660	115	2.3	4.5	1.26		138-C	F	627	3410	106	2.3	3.2	1.38
		F	626	3420	145	2.3	4.4	1.39			F	643	3610	165	3.3	4.8	1.36
		F	618	3150	167	2.3	5.6	1.33			F	622	3290	141	1.3	4.5	1.37
		F	600	2810	123	2.3	4.6	1.30			F	565	2200	45	1.3	2.1	1.22
		F	622	3110	105	2.3	3.5	1.29			F	641	3010	71	1.3	2.4	1.14
		M	562	2140	22	1.3	1.0	1.21			F	638	3510	210	2.3	6.4	1.35
		F	614	3280	156	1.3	5.0	1.42			F	596	2380	170	1.3	7.7	1.12
		F	504	1720	90	2.3	5.5	1.34			F	628	3350	133	2.3	4.1	1.35
	121	M	603	2680	35	2.3	1.3	1.22		157-C	M	664	3540	33	2.3	0.9	1.21
		F	618	3030	110	-	3.8	1.28			F	570	2580	74	2.3	3.0	1.39
		F	656	3580	178	1.3	5.2	1.27	G02	130	F	610	2870	110	2.3	4.0	1.26
		F	638	3280	205	-	6.7	1.26			F	621	2920	140	-	5.0	1.22
		M	550	2380	70	1.3	3.0	1.43			F	626	3290	108	2.3	3.4	1.34
		F	627	3470	221	1.3	6.8	1.41			F	520	1610	53	1.2	3.4	1.15
		M	574	2400	12	2.3	0.5	1.27			F	640	3490	140	1.3	4.2	1.33
		F	612	3060	130	-	4.4	1.33			M	535	1790	34	1.2	1.9	1.17
		F	620	3200	152	2.3	5.0	1.34			M	655	3220	66	2.3	2.1	1.15
		F	586	2480	138	2.3	5.9	1.23			F	634	3260	174	1.3	5.6	1.28
		F	610	3040	150	2.3	5.2	1.34			F	618	3000	125	2.3	4.3	1.27
		M	520	2010	40	-	2.0	1.43			M	633	3460	45	-	1.3	1.36
		F	508	1640	40	1.3	2.5	1.25			M	575	2200	22	1.2	1.0	1.16
		F	607	2980	170	1.3	6.0	1.33			M	552	2210	42	2.2	1.9	1.31
		F	545	1910	130	2.3	7.3	1.18			M	694	4000	28	2.3	0.7	1.20
		F	515	1820	90	1.3	5.2	1.33			F	650	4010	240	2.3	6.4	1.46
		M	647	3740	46	-	1.2	1.38			F	546	2140	62	2.2	3.0	1.31
		M	634	3340	41	1.4	1.2	1.31			F	649	3760	164	2.3	4.6	1.38
		F	513	1820	45	1.3	2.5	1.35			F	628	3320	165	-	5.2	1.34
		M	655	3550	38	1.3	1.1	1.26			F	652	3420	200	-	6.2	1.23
		F	535	1900	71	1.4	3.9	1.24			F	586	2540	130	2.3	5.4	1.26
		M	536	2010	32	1.4	1.6	1.31			F	638	3250	90	2.3	2.8	1.25
		M	523	1670	31	0.3	1.9	1.17			M	604	3020	56	2.3	1.9	1.37
		F	616	3110	195	1.4	6.7	1.33			M	562	2400	27	2.3	1.1	1.35
		F	610	3050	160	1.3	5.5	1.34			F	615	3150	115	2.3	3.8	1.35
		F	623	3280	165	1.3	5.3	1.36			M	642	3700	50	2.3	1.4	1.40
		F	513	1840	101	1.2	5.8	1.36			F	640	3300	160	1.3	5.1	1.26
		F	606	3040	92	1.3	3.1	1.37			M	678	4360	110	1.3	2.6	1.40
		F	586	2500	105	1.3	4.4	1.24			M	680	3960	30	1.3	0.8	1.26
		F	640	3700	225	2.3	6.5	1.41			F	613	3050	100	1.3	3.4	1.32
		F	518	1830	90	2.3	5.2	1.32			M	638	3900	30	-	0.8	1.50
		F	610	3140	120	2.3	4.0	1.38			F	589	2600	125	1.2	5.1	1.27
		M	645	3220	62	1.3	2.0	1.20			M	543	2280	20	-	0.9	1.42
		F	638	3450	130	2.3	3.9	1.33			F	622	3050	160	-	5.5	1.27
		F	605	2830	180	2.3	6.8	1.28			F	617	3100	138	1.3	4.7	1.32
		M	530	1780	35	2.2	2.0	1.20			F	636	3360	185	2.3	5.8	1.31
		F	603	3100	120	2.3	4.0	1.41			F	600	2880	97	2.3	3.5	1.33
		F	617	3100	70	1.3	2.3	1.32			F	650	3800	183	2.3	5.1	1.38
		M	576	2500	28	-	1.1	1.31			F	640	3340	132	1.3	4.1	1.27
		M	562	2300	38	1.3	1.7	1.30			F	618	2870	120	1.3	4.4	1.22
		F	556	2050	51	-	2.6	1.19			F	606	3100	94	2.2	3.1	1.39
		M	670	3740	32	2.3	0.9	1.24			M	540	2190	33	2.3	1.5	1.39
		M	544	1960	18	2.2	0.9	1.22			F	630	3290	194	-	6.3	1.32
		F	548	1860	40	2.2	2.2	1.13		121	M	684	3820	28	-	0.7	1.19
	48-C	M	698	4510	100	-	2.3	1.33			M	648	3230	32	2.3	1.0	1.19
	55-C	F	624	3110	163	2.3	5.5	1.28			M	546	2320	50	2.3	2.2	1.43
	93-C	M	634	3640	25	2.3	0.7	1.43			F	613	3050	175	2.3	6.1	1.32
		F	412	800	42	1.2	5.5	1.14			F	565	2400	130	2.3	5.7	1.33
	106-C	F	506	1480	22	2.2	1.5	1.14			F	613	3130	109	2.3	3.6	1.36
		M	464	1220	29	2.2	2.4	1.22			F	622	2930	120	2.3	4.3	1.22

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	572	2420	70	2.3	3.0	1.29			M	578	2500	29	2.2	1.2	1.29
		M	576	2560	26	2.2	1.0	1.34			M	596	2680	37	2.2	1.4	1.27
		M	638	3240	28	1.3	0.9	1.25			M	455	1170	22	2.2	1.9	1.24
		M	535	1920	55	-	2.9	1.25			F	640	3400	153	2.3	4.7	1.30
		M	668	4220	45	1.3	1.1	1.42			F	615	3220	125	-	4.0	1.38
		M	670	4110	78	1.3	1.9	1.37			M	643	3680	27	1.3	0.7	1.38
		F	626	3280	90	2.3	2.8	1.34			F	620	3010	115	2.3	4.0	1.26
		M	670	4150	32	2.3	0.8	1.38			F	603	2900	92	1.3	3.3	1.32
		F	615	2880	173	1.3	6.4	1.24			F	602	3000	87	2.3	3.0	1.38
		F	630	3200	120	2.3	3.9	1.28			F	640	3170	145	2.3	4.8	1.21
		F	618	3100	173	1.3	5.9	1.31			M	608	2600	32	2.2	1.2	1.16
		F	624	3100	120	2.3	4.0	1.28			F	642	3400	125	2.3	3.8	1.28
		F	600	3200	113	2.3	3.7	1.48			F	626	3700	166	2.3	4.7	1.51
		M	664	3900	84	1.3	2.2	1.33			M	612	3000	32	2.3	1.1	1.31
		M	687	4570	83	2.3	1.8	1.41		48 C	F	628	3130	93	2.3	3.1	1.26
		F	646	3750	166	1.3	4.6	1.39			F	666	4000	225	1.4	6.0	1.35
		F	610	2960	162	1.3	5.8	1.30			M	690	4250	92	2.3	2.2	1.29
		M	628	3200	30	2.3	0.9	1.29		55-C	F	609	3385	115	2.3	3.5	1.50
		F	615	3100	255	1.3	9.0	1.33			M	649	3720	38	1.3	1.0	1.36
		F	608	2920	130	1.3	4.7	1.30		63-C	F	606	2880	194	2.3	7.2	1.29
		F	622	3130	163	2.2	5.5	1.30			M	560	2420	28	2.2	1.2	1.38
		M	590	2590	30	1.2	1.2	1.26			F	612	3170	176	2.3	5.9	1.38
		F	588	2000	125	1.3	5.1	1.28			F	619	3120	73	1.3	2.4	1.32
		M	556	2490	23	1.2	0.9	1.45			F	614	2960	121	2.3	4.3	1.28
		F	568	2550	60	2.3	2.4	1.39		82-C	M	656	3840	30	1.3	0.8	1.36
		F	554	2200	55	-	2.6	1.29			M	689	4370	47	2.3	1.1	1.34
		M	562	2160	33	2.2	1.6	1.22		106-C	F	538	1740	80	2.2	4.8	1.12
		F	563	2260	120	2.2	5.6	1.27			M	570	2300	65	2.3	2.9	1.24
		F	553	2050	85	2.2	4.3	1.21			F	582	2120	128	2.3	6.4	1.08
		F	540	2000	102	-	5.4	1.27			F	565	2500	118	-	5.0	1.39
		M	462	1200	28	1.2	2.4	1.22			F	613	3000	170	1.4	6.0	1.30
		F	610	2830	135	1.3	5.0	1.25		121-C	F	538	1970	87	2.2	4.6	1.27
		F	634	3240	180	2.3	5.9	1.27			M	512	1900	35	-	1.9	1.42
		F	640	3300	142	2.3	4.5	1.26			F	575	2600	108	2.3	4.3	1.37
		M	563	2340	28	-	1.2	1.31			F	575	2520	61	-	2.5	1.33
		F	554	2390	82	1.3	3.6	1.41			M	578	2800	30	2.3	1.1	1.45
		M	533	2100	28	1.2	1.4	1.39			F	608	3210	101	2.3	3.2	1.43
		F	566	2290	100	2.2	4.6	1.26			M	663	3600	34	2.3	1.0	1.24
		F	528	1840	58	2.2	3.3	1.25			F	631	3520	164	2.3	4.9	1.40
		F	527	1910	90	2.2	4.9	1.30		138-C	M	622	3300	63	-	1.9	1.37
		F	500	1550	47	-	3.1	1.24			F	606	2400	77	2.3	3.3	1.08
		M	483	1430	50	2.2	3.6	1.27			F	625	3100	110	2.3	3.7	1.27
		F	504	1490	50	2.2	3.5	1.16			M	693	4590	75	1.3	1.7	1.38
		F	610	2850	112	2.3	4.1	1.26			F	603	3090	115	1.3	3.9	1.41
		M	686	4350	48	-	1.1	1.35			M	518	1680	44	2.2	2.7	1.21
		M	695	4390	140	1.3	3.3	1.31	G03	130	F	634	3300	96	-	3.0	1.29
		F	606	2810	200	1.3	7.7	1.26			F	620	3210	267	-	9.1	1.35
		M	603	2960	22	2.3	0.7	1.35			F	617	3260	137	-	4.4	1.39
		M	578	2500	35	2.3	1.4	1.29			F	534	1890	46	-	2.5	1.24
		F	592	2720	97	2.3	3.7	1.31		121	F	614	3160	58	-	1.9	1.37
		M	620	3110	32	1.3	1.0	1.30			F	604	2970	160	-	5.7	1.35
		M	608	3400	32	1.3	1.0	1.51			M	636	3510	82	-	2.4	1.36
		F	618	2990	129	2.3	4.5	1.27			F	612	3040	124	-	4.3	1.33
		M	654	4000	29	-	0.7	1.43			M	647	3730	24	-	0.6	1.38
		F	624	3100	180	-	6.2	1.28		115	M	619	2800	7	-	0.3	1.18
		F	600	3050	180	2.3	6.3	1.41		82-C	M	645	3700	27	-	0.7	1.38
		F	543	1960	73	2.2	3.9	1.22	G04	130	F	642	3580	191	2.3	5.6	1.35
		M	488	1510	50	2.2	3.4	1.30			F	620	3170	158	2.3	5.2	1.33
		M	516	1650	18	2.2	1.1	1.20			F	613	3250	122	2.3	3.9	1.41
		F	650	3730	172	2.3	4.8	1.36			M	688	4120	71	1.3	1.8	1.27
		F	630	3360	80	-	2.4	1.34			M	548	2240	62	2.2	2.8	1.36
		M	623	3420	28	2.3	0.8	1.41			F	629	3420	121	1.3	3.7	1.37
		M	633	3610	35	2.3	1.0	1.42			F	532	2440	152	2.2	6.6	1.62
		F	638	3600	122	-	3.5	1.39			M	665	3660	21	2.3	0.6	1.24
		M	615	3590	60	-	1.7	1.54			F	610	3140	158	2.3	5.3	1.38
		M	586	2400	52	-	2.2	1.19			M	530	1980	154	1.2	8.4	1.33
		M	550	2200	45	1.3	2.1	1.32			M	635	3130	38	2.3	1.2	1.22
		F	516	2810	103	-	3.8	2.05			F	628	3320	105	1.3	3.3	1.34
		M	554	2140	47	1.2	2.2	1.26			F	628	3140	146	2.3	4.9	1.27
		M	554	2310	38	2.2	1.7	1.36			F	622	3240	184	2.3	6.0	1.35

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	640	3510	270	2.3	8.3	1.34			F	504	1660	43	1.2	2.7	1.30
	121	M	653	3470	56	2.3	1.6	1.25			F	643	3650	101	1.3	2.8	1.37
		M	620	3400	92	2.3	2.8	1.43			F	626	3590	196	2.3	5.8	1.46
		F	604	3100	84	2.3	2.8	1.41			M	635	3350	32	2.3	1.0	1.31
		F	619	3010	127	2.3	4.4	1.27			F	583	2520	85	-	3.5	1.27
		F	623	3580	96	2.3	2.8	1.48			F	623	3330	152	2.3	4.8	1.38
		F	518	1620	87	2.2	5.7	1.17			M	573	2320	74	-	3.3	1.23
		F	620	3200	131	2.3	4.3	1.34			F	607	2960	158	-	5.6	1.32
		M	656	3720	53	2.3	1.4	1.32		138-C	M	558	2310	30	2.2	1.3	1.33
		F	639	3560	224	1.4	6.7	1.36	G06	130	F	592	2630	170	2.3	6.9	1.27
		F	640	3720	82	2.3	2.3	1.42			F	616	3220	91	2.3	2.9	1.38
		F	522	1780	59	2.2	3.4	1.25			F	580	3520	95	2.3	2.8	1.80
		F	562	2540	86	1.3	3.5	1.43			F	623	3650	88	2.3	2.5	1.51
		F	622	3550	153	2.3	4.5	1.48			M	655	3600	50	2.3	1.4	1.28
		M	636	3560	33	2.3	0.9	1.38			M	522	1910	45	2.2	2.4	1.34
		M	660	3640	42	2.3	1.2	1.27		121	F	608	2820	140	2.3	5.2	1.25
		M	678	3980	97	2.3	2.5	1.28			F	630	3360	145	2.4	4.5	1.34
		M	530	1990	29	1.2	1.5	1.34			F	615	3320	98	2.3	3.0	1.43
		F	613	3020	153	1.3	5.3	1.31			M	608	2960	105	2.3	3.7	1.32
		F	614	3620	78	1.3	2.2	1.56			M	642	3480	42	2.3	1.2	1.32
		M	602	3010	52	1.3	1.8	1.38			F	641	2100	87	2.2	4.3	0.80
		F	624	3260	125	2.3	4.0	1.34			F	642	3510	210	2.3	6.4	1.33
		M	560	2320	91	2.2	4.1	1.32			F	600	2930	152	2.3	5.5	1.36
		M	525	1880	28	2.2	1.5	1.30			F	605	3100	123	-	4.1	1.40
		M	632	3820	38	-	1.0	1.51			F	637	3520	145	2.3	4.3	1.36
		M	617	3240	90	2.3	2.9	1.38			M	625	3350	25	2.3	0.8	1.37
		F	544	1963	131	1.2	7.2	1.22			F	541	2030	95	2.2	4.9	1.28
		M	528	2170	40	1.2	1.9	1.47			F	580	2650	215	1.3	8.8	1.36
		M	534	1980	39	1.2	2.0	1.30			F	676	3590	123	1.4	3.5	1.16
		F	529	2130	113	2.2	5.6	1.44			F	532	2180	123	2.2	6.0	1.45
		F	532	1940	76	2.2	4.1	1.29			F	599	2880	118	2.3	4.3	1.34
		F	591	2030	76	2.2	3.9	0.98			F	640	3320	82	2.3	2.5	1.27
	121-C	M	530	3020	83	2.3	2.8	2.03			M	599	2890	39	-	1.4	1.34
		F	602	2780	171	-	6.6	1.27			F	595	2930	137	2.3	4.9	1.39
		F	600	2760	113	2.3	4.3	1.28		93-C	F	546	2100	156	2.2	8.0	1.29
G05	130	M	653	3410	45	2.3	1.3	1.22		106-C	F	601	3100	123	1.3	4.1	1.43
		M	603	2950	29	1.3	1.0	1.35			F	530	2200	58	2.2	2.7	1.48
		F	604	2670	88	1.3	3.4	1.21		121-C	F	607	3200	53	2.3	1.7	1.43
		M	605	2900	20	2.2	0.7	1.31			F	516	1830	115	1.2	6.7	1.33
		F	631	3020	205	2.3	7.3	1.20		138-C	M	634	3520	15	2.3	0.4	1.38
		M	652	3660	42	2.3	1.2	1.32		157-C	F	601	2890	185	-	6.8	1.33
		F	598	2760	124	2.3	4.7	1.29			F	583	2550	135	1.3	5.6	1.29
		F	602	3120	102	2.3	3.4	1.43			M	625	3650	134	2.3	3.8	1.50
		F	596	2930	113	2.3	4.0	1.38			F	640	3670	183	2.3	5.2	1.40
		F	596	2940	113	2.3	4.0	1.39	G07	121	F	595	2720	110	1.3	4.2	1.29
		F	625	3020	138	2.3	4.8	1.24			F	612	2920	153	1.3	5.5	1.27
		F	538	2180	140	1.2	6.9	1.40		106-C	M	538	2250	48	1.2	2.2	1.44
		M	565	2430	93	2.2	4.0	1.35		157-C	F	595	2760	80	1.3	3.0	1.31
		M	626	3360	26	2.3	0.8	1.37	G08	130	F	648	3640	130	-	3.7	1.34
		F	657	3600	140	2.3	4.0	1.27			F	607	2920	135	2.3	4.8	1.31
		F	580	2540	80	2.3	3.3	1.30			M	623	2900	40	2.3	1.4	1.20
		F	581	2630	40	2.3	1.5	1.34			F	583	2600	97	2.3	3.9	1.31
		M	627	3240	50	2.3	1.6	1.31			F	579	2280	120	2.3	5.6	1.17
		F	607	3150	206	2.3	7.0	1.41		121	F	644	3350	172	2.3	5.4	1.25
	121	M	625	3640	66	2.3	1.8	1.49			F	600	2860	135	2.3	5.0	1.32
		M	621	2880	23	2.4	0.8	1.20			F	592	2940	159	2.3	5.7	1.42
		M	638	3240	47	2.3	1.5	1.25			F	610	3180	202	3.2	6.8	1.40
		F	622	3170	204	2.3	6.9	1.32			F	641	3120	153	2.3	5.2	1.18
		M	662	3690	59	2.3	1.6	1.27			F	630	3440	250	2.3	7.8	1.38
		M	632	2960	148	2.3	5.3	1.17			F	604	3920	125	2.3	3.3	1.78
		F	625	3090	105	1.3	3.5	1.27			F	612	3940	101	2.3	2.6	1.72
		M	711	4700	63	2.3	1.4	1.31			F	597	3800	142	2.3	3.9	1.79
		F	620	2940	125	2.3	4.4	1.23			M	550	2110	25	1.2	1.2	1.27
		F	626	3210	170	2.3	5.6	1.31			M	569	2440	43	2.2	1.8	1.32
		F	627	3400	51	2.3	1.5	1.38			M	576	2450	50	2.2	2.1	1.28
		F	629	3150	88	2.3	2.9	1.27			F	548	2030	150	-	8.0	1.23
		M	621	3400	3	2.3	0.1	1.42			M	674	4100	64	2.3	1.6	1.34
		F	624	3010	118	2.3	4.1	1.24			F	538	2000	70	2.2	3.6	1.28
		F	642	3570	100	2.3	2.9	1.35			F	612	2920	142	2.3	5.1	1.27
		F	614	2990	180	2.3	6.4	1.29			F	625	3050	136	2.3	4.7	1.25

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	616	3430	164	2.3	5.0	1.47
		M	578	2690	39	2.2	1.5	1.39
		M	637	3730	34	2.3	0.9	1.44
		M	615	2320	25	2.3	0.9	1.21
		F	509	1720	55	2.2	3.3	1.30
		M	523	1850	2	-	0.1	1.30
		M	522	1790	41	1.2	2.4	1.23
		F	640	3820	72	1.3	1.9	1.46
		M	660	3760	28	1.3	0.8	1.31
		F	616	3580	112	2.3	3.4	1.45
		F	576	2500	150	2.2	6.4	1.31
		F	612	3200	164	2.3	5.4	1.40
		M	608	2750	50	1.3	1.9	1.22
		F	554	2080	120	2.2	6.1	1.22
		M	573	2520	33	2.3	1.3	1.34
		F	596	2800	217	2.3	8.4	1.32
		M	592	2940	36	1.2	1.2	1.42
		F	613	2900	154	-	5.6	1.26
		F	598	3230	100	1.3	3.2	1.51
		F	582	2850	88	2.3	3.2	1.45
		M	575	3000	62	2.2	2.1	1.58
		F	620	3100	82	2.3	2.7	1.30
		F	608	2920	90	2.3	3.2	1.30
		M	615	3050	18	2.3	0.6	1.31
		F	638	3450	141	2.3	4.3	1.33
		F	615	3140	100	-	3.3	1.35
		F	616	2650	147	2.3	5.9	1.13
		F	571	2440	127	2.2	5.5	1.31
		F	544	2140	54	2.2	2.6	1.33
		F	600	2900	110	1.3	3.9	1.34
		M	576	2460	32	2.2	1.3	1.29
		M	548	2030	48	1.2	2.4	1.23
		F	544	2330	105	2.2	4.7	1.45
		F	618	3000	140	2.3	4.9	1.27
		F	537	1980	65	2.2	3.4	1.28
		M	540	3000	41	2.3	1.4	1.91
		F	612	3020	182	2.3	6.4	1.32
		M	543	2020	46	2.2	2.3	1.26
		F	545	2650	119	1.2	4.7	1.64
		M	586	2030	36	2.3	1.8	1.01
		M	627	3500	83	2.3	2.4	1.42
		M	610	3160	79	-	2.6	1.39
		F	606	2920	92	2.3	3.3	1.31
		F	525	2220	72	1.2	3.4	1.53
		F	575	2600	201	1.3	8.4	1.37
		M	550	3620	57	2.3	1.6	1.32
		F	631	3240	195	2.3	6.4	1.29
		F	625	3410	99	1.3	3.0	1.40
		F	556	2210	86	2.2	4.0	1.29
		M	642	3750	29	1.3	0.8	1.42
		M	642	3400	43	1.3	1.3	1.28
		F	598	2720	96	2.3	3.7	1.27
		F	545	2200	155	2.3	7.6	1.36
		F	606	3080	107	-	3.6	1.38
		F	536	1840	77	-	4.4	1.19
		F	594	2880	136	2.3	5.0	1.37
		F	610	2950	198	2.3	7.2	1.30
		F	614	3000	168	2.3	5.9	1.30
		F	615	3450	80	2.3	2.4	1.48
		M	530	1740	35	2.2	2.1	1.17
		M	640	3900	92	2.3	2.4	1.49
		F	542	2290	104	2.2	4.8	1.44
		F	661	3450	125	2.3	3.8	1.19
		F	620	3330	140	2.3	4.4	1.40
		F	532	1940	100	2.2	5.4	1.29
		F	513	1610	72	-	4.7	1.19
		M	508	1620	30	2.2	1.9	1.24
		F	556	2150	122	2.2	6.0	1.25
		F	590	2860	91	2.3	3.3	1.39
		M	620	3300	41	2.3	1.3	1.38
		M	656	4050	31	2.3	0.8	1.43
		F	626	2930	90	2.3	3.2	1.19
		F	606	2910	160	2.3	5.8	1.31
		F	518	1840	49	2.2	2.7	1.32
		F	548	2050	109	2.2	5.6	1.25
		F	587	2900	73	2.3	2.6	1.43
		F	635	3240	154	2.3	5.0	1.27
		M	563	2190	71	1.2	3.4	1.22
		F	522	2150	58	1.2	2.8	1.51
		F	623	3900	162	2.3	4.3	1.61
		M	630	3150	38	2.3	1.2	1.26
		F	547	2180	115	2.2	5.6	1.33
		F	519	1800	32	2.2	1.8	1.29
		F	618	3100	190	2.3	6.5	1.31
		M	535	1870	38	2.2	2.1	1.22
		F	605	2900	162	2.3	5.9	1.31
		M	676	4500	51	1.3	1.1	1.46
		F	602	3060	133	1.3	4.5	1.40
		F	612	2800	132	1.3	4.9	1.22
		M	635	3340	81	2.3	2.5	1.30
		F	640	3890	164	2.3	4.4	1.48
		M	628	3620	49	1.4	1.4	1.46
		F	623	3360	110	2.3	3.4	1.39
		F	584	2450	118	2.3	5.1	1.23
		F	592	2510	116	2.3	4.8	1.21
		F	573	2450	83	1.3	3.5	1.30
		M	586	2680	79	2.2	3.0	1.33
		F	639	3500	152	2.3	4.5	1.34
		M	657	3810	72	1.3	1.9	1.34
		F	584	2700	150	2.3	5.9	1.36
		F	618	2700	160	2.3	6.3	1.14
		M	641	3600	48	1.3	1.4	1.37
		F	610	3080	106	2.3	3.6	1.36
		F	605	3200	100	1.3	3.2	1.45
		F	608	2820	138	2.3	5.1	1.25
		F	668	3770	166	2.3	4.6	1.26
		M	628	2880	50	1.3	1.8	1.16
		M	614	3500	22	2.3	0.6	1.51
		M	563	2400	68	1.2	2.9	1.34
		M	642	3420	65	2.3	1.9	1.29
		F	614	3050	114	2.3	3.9	1.32
	55-C	M	644	3760	65	2.3	1.8	1.41
	72-C	M	540	1900	82	2.3	4.5	1.21
		F	604	3210	130	2.3	4.2	1.46
	106-C	F	612	3090	74	1.3	2.5	1.35
		F	640	3640	80	2.3	2.2	1.39
		M	660	3750	66	1.3	1.8	1.30
	121-C	F	607	3010	195	-	6.9	1.35
		M	472	1290	64	2.2	5.2	1.23
	138-C	F	603	3000	166	2.3	5.9	1.37
	157-C	F	643	3700	135	3.3	3.8	1.39
		M	646	3240	24	2.3	0.7	1.20
G09	121	M	634	3900	71	1.3	1.9	1.53
		F	622	3280	164	1.3	5.3	1.36
		F	550	1900	63	2.2	3.4	1.14
		F	618	3200	180	2.3	6.0	1.36
		M	635	3630	51	1.3	1.4	1.42
		F	640	3560	160	2.3	4.7	1.36
		F	576	2720	222	-	8.9	1.42
		F	612	3200	223	1.3	7.5	1.40
		F	590	2890	100	1.3	3.6	1.41
		F	623	3140	108	2.3	3.6	1.30
		F	656	3810	271	2.3	7.7	1.35
		M	650	3780	24	1.3	0.6	1.38
		F	624	3300	125	2.3	3.9	1.36
		M	667	4600	56	1.3	1.2	1.55
		M	621	2890	44	2.3	1.5	1.21
		F	607	3300	160	2.3	5.1	1.48
		F	592	2800	140	1.3	5.3	1.35
		M	662	3800	52	2.3	1.4	1.31

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	595	2830	26	-	0.9	1.34			F	650	3600	272	2.3	8.2	1.31
		F	645	3770	260	2.3	7.4	1.40			M	640	3820	72	2.3	1.9	1.46
		M	570	2410	50	2.2	2.1	1.30			M	672	4080	62	2.3	1.5	1.34
		F	560	2240	195	2.3	9.5	1.28			F	613	3070	223	1.3	7.8	1.33
		F	540	2260	118	2.3	5.5	1.44			F	642	3820	135	1.3	3.7	1.44
		F	642	3160	150	2.3	5.0	1.19			F	600	2780	152	1.3	5.8	1.29
		F	600	2710	250	1.3	10.2	1.25			F	613	3040	112	2.3	3.8	1.32
		M	598	3220	48	1.2	1.5	1.51			M	684	4450	50	1.3	1.1	1.39
		M	675	4150	52	-	1.3	1.35			F	586	2860	130	1.3	4.8	1.42
		F	544	2240	43	2.2	2.0	1.39			M	578	2700	43	1.2	1.6	1.40
		M	676	4800	40	1.3	0.8	1.55			M	662	3850	36	-	0.9	1.33
		M	585	2500	60	1.3	2.5	1.25			F	591	2900	178	2.3	6.5	1.40
		F	597	2860	102	1.3	3.7	1.34			F	614	3240	100	-	3.2	1.40
		F	609	3250	160	2.3	5.2	1.44			F	630	3100	138	2.3	4.7	1.24
		M	650	4080	113	2.3	2.8	1.49			M	633	3400	25	1.3	0.7	1.34
		M	640	3310		2.3		1.26			M	686	4290	78	1.3	1.9	1.33
		M	645	3450	54	2.3	1.6	1.29			F	632	3760	124	1.3	3.4	1.49
		M	682	4500	70	2.3	1.6	1.42			M	550	2160	85	2.2	4.1	1.30
		F	640	3610	218	-	6.4	1.38			F	626	3350	195	2.3	6.2	1.37
		F	610	3260	115	2.3	3.7	1.44			F	614	3280	172	2.3	5.5	1.42
		F	544	2140	110	2.3	5.4	1.33			F	584	2670	215	1.3	8.6	1.34
		F	626	3290	154	2.3	4.9	1.34			F	528	1920	56	1.2	3.0	1.30
		F	555	2580	63	2.3	2.5	1.51			F	646	4050	125	1.3	3.2	1.50
		M	606	3250	42	2.3	1.3	1.46			F	628	3200	142	2.3	4.6	1.29
		M	554	2580	56	1.2	2.2	1.52			F	550	2290	190	2.2	9.0	1.38
		F	643	3400	245	-	7.8	1.28			F	625	3240	139	2.3	4.5	1.33
		F	522	1760	84	1.2	5.0	1.24			F	614	3240	99	2.3	3.2	1.40
		F	600	3700	170	2.3	4.8	1.71			M	530	2200	25	1.2	1.1	1.48
		F	606	3440	150	1.3	4.6	1.55			F	592	2530	153	1.3	6.4	1.22
		M	664	4400	72	2.3	1.7	1.50			F	544	2350	91	-	4.0	1.46
		F	630	3300	158	2.3	5.0	1.32			F	631	3560	180	1.3	5.3	1.42
		M	636	3170	15	2.3	0.5	1.23			M	653	4110	114	2.3	2.9	1.48
		M	664	4300	29	2.3	0.7	1.47			F	640	3330	115	2.3	3.6	1.27
		F	614	3860	146	1.3	3.9	1.67			M	627	3260	62	1.3	1.9	1.32
		M	676	4180	121	-	3.0	1.35			M	665	3730	77	1.3	2.1	1.27
		M	637	4320	52	1.3	1.2	1.67			F	625	3020	160	2.3	5.6	1.24
		F	560	2180	131	2.2	6.4	1.24			F	615	3010	137	2.3	4.8	1.29
		F	560	2450	158	1.3	6.9	1.40			M	589	2560	30	2.2	1.2	1.25
		M	671	4190	82	-	2.0	1.39			M	523	1910	42	-	2.2	1.34
		F	634	3520	210	2.3	6.3	1.38			M	560	2040	40	2.2	2.0	1.16
		M	680	4700	64	2.3	1.4	1.49			M	546	2150	82	-	4.0	1.32
		M	570	2660	50	1.2	1.9	1.44			M	665	4020	57	1.3	1.4	1.37
		F	652	3380	198	2.3	6.2	1.22			F	554	2300	102	2.2	4.6	1.35
		M	524	2000	32	1.3	1.6	1.39			F	558	2100	165	2.2	8.5	1.21
		F	518	1800	46	2.2	2.6	1.30		48-C	M	674	3450	48	2.3	1.4	1.13
		M	664	4150	55	1.3	1.3	1.42		63-C	F	659	3660	250	-	7.3	1.28
		M	648	3910	46	1.3	1.2	1.44			F	597	2870	253	2.3	9.7	1.35
		F	626	3360	148	1.3	4.6	1.37			F	582	2500	110	1.3	4.6	1.27
		F	614	3050	144	2.3	5.0	1.32			M	629	2810	28	2.3	1.0	1.13
		M	567	2550	75	1.2	3.0	1.40			M	624	3340	43	2.3	1.3	1.37
		M	667	4300	84	1.3	2.0	1.45		72-C	M	659	4120	118	2.3	2.9	1.44
		M	683	4110	103	1.3	2.6	1.29		82-C	F	623	3400	150	1.3	4.6	1.41
		F	650	3300	194	2.3	6.2	1.20		93-C	M	652	3950	65	1.3	1.7	1.43
		F	632	3590	104	1.3	3.0	1.42		106-C	M	690	4180	70	2.3	1.7	1.27
		M	594	2700	34	1.3	1.3	1.29			F	613	3140	250	1.3	8.7	1.36
		F	582	2650	64	2.2	2.5	1.34			F	597	2560	88	2.3	3.6	1.20
		M	585	2750	70	2.2	2.6	1.37			M	511	1800	25	2.2	1.4	1.35
		F	592	2720	259	1.3	10.5	1.31		121-C	M	606	3310	24	1.3	0.7	1.49
		M	627	3620	60	-	1.7	1.47			F	503	1360	68	1.2	5.3	1.07
		F	572	2600	158	1.2	6.5	1.39			F	599	2620	230	1.3	9.6	1.22
		M	585	2760	47	1.2	1.7	1.38			F	640	3640	137	1.3	3.9	1.39
		F	553	2510	58	1.2	2.4	1.48			M	562	2340	50	2.3	2.2	1.32
		M	564	2300	52	1.2	2.3	1.28			F	606	3150	110	1.3	3.6	1.42
		F	623	3620	153	2.3	4.4	1.30			M	672	3960	75	2.3	1.9	1.30
		F	636	3550	86	2.3	2.5	1.38			F	602	2760	122	1.3	4.6	1.27
		M	698	5000	103	2.3	2.1	1.47		138-C	F	546	2200	104	1.2	5.0	1.35
		F	563	2650	87	2.2	3.4	1.48			M	630	3320	91	-	2.8	1.33
		F	604	3120	176	1.3	6.0	1.42			F	593	2850	154	1.3	5.7	1.37
		F	561	2220	70	2.2	3.3	1.26			F	640	2970	167	2.3	6.0	1.13
		M	535	2060	49	2.2	2.4	1.35			F	629	3680	129	1.3	3.6	1.48

BIOLOGICAL CHARACTERISTICS OF SALMON

SOCKEYE SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	565	2340	55	2.2	2.4	1.30
		F	608	2650	148	1.3	5.9	1.18
		F	645	3220	156	2.3	5.1	1.20
	157-C	F	605	3070	145	1.3	5.0	1.39
		M	650	4120	52	1.4	1.3	1.50
		F	620	2960	165	2.3	5.9	1.24
		M	648	3520	40	1.4	1.1	1.29
		F	637	3310	118	2.3	3.7	1.28
		F	617	3200	130	2.3	4.2	1.36
		F	618	2830	138	-	5.1	1.20
		F	600	3050	154	1.3	5.3	1.41
		F	646	3000	131	1.3	4.6	1.11
	G10 130	F	622	3400	140	2.3	4.3	1.41
		M	697	4980	80	1.3	1.6	1.47
		M	656	4250	87	2.2	2.1	1.51
		F	584	2460	315	-	14.7	1.24
		F	597	3250	250	1.3	8.3	1.53
		F	630	3600	210	1.3	6.2	1.44
		F	647	3200	205	2.3	6.8	1.18
		F	614	3080	197	1.3	6.8	1.33
		F	606	3040	187	1.3	6.6	1.37
		M	674	4860	83	2.3	1.7	1.59
		F	620	3300	155	2.3	4.9	1.38
		M	670	5000	27	2.3	0.5	1.66
		F	611	3120	114	2.3	3.8	1.37
		F	601	3550	254	1.3	7.7	1.64
		F	623	3310	240	1.3	7.8	1.37
		F	540	2020	125	1.2	6.6	1.28
		F	559	2130	53	1.3	2.6	1.22
		M	534	2100	59	1.2	2.9	1.38
		M	674	4200	80	2.3	1.9	1.37
		M	527	2140	52	1.2	2.5	1.46
		M	575	2700	48	2.2	1.8	1.42
		M	601	2740	58	2.2	2.2	1.26
	121	F	612	3300	148	2.3	4.7	1.44
		F	639	3400	290	1.3	9.3	1.30
		M	635	3850	53	2.3	1.4	1.50
		M	666	3840	70	1.3	1.9	1.30
		M	567	2500	52	2.3	2.1	1.37
		F	623	3440	205	3.3	6.3	1.42
		F	604	3110	170	2.3	5.8	1.41
		F	614	3150	172	2.3	5.8	1.36
		F	564	2100	220	1.3	11.7	1.17
		M	602	3000	47	1.3	1.6	1.38
		F	626	3040	86	2.3	2.9	1.24
		F	542	2050	145	2.2	7.6	1.29
		M	678	4150	80	2.3	2.0	1.33
		M	574	2360	92	1.3	4.1	1.25
		F	592	3250	129	2.3	4.1	1.57
		M	634	3350	65	2.3	2.0	1.31
		F	615	3200	159	-	5.2	1.38
		F	607	3560	186	1.3	5.5	1.59
		M	681	4020	120	1.3	3.1	1.27
		M	650	4000	76	1.4	1.9	1.46
		M	595	2650	51	2.3	2.0	1.26
		F	634	3660	224	2.3	6.5	1.44
		F	490	1570	49	2.2	3.2	1.33
		F	619	3130	199	2.3	6.7	1.33
		F	652	3660	153	2.3	4.4	1.32
		M	657	3790	54	1.3	1.4	1.34
		F	628	3240	248	2.3	8.3	1.31
		M	532	2060	43	1.3	2.1	1.37
		M	679	4550	110	2.3	2.5	1.45
		F	606	2850	109	1.3	4.0	1.28
		F	594	2460	158	2.3	6.9	1.17
		M	618	3520	63	1.3	1.8	1.49
		M	666	3850	41	2.3	1.1	1.30
		M	559	2320	41	2.2	1.8	1.33
		M	640	3690	109	2.3	3.0	1.41
		M	537	2000	62	2.2	3.2	1.29
		F	604	3300	248	1.3	8.1	1.50
		F	618	3320	188	2.3	6.0	1.41
		F	590	3040	194	1.4	6.8	1.48
		F	590	2820	127	2.3	4.7	1.37
		F	598	2950	240	2.3	8.9	1.38
		M	666	4550	57	2.3	1.3	1.54
		F	618	3240	152	2.3	4.9	1.37
		F	587	2540	187	1.3	7.9	1.26
		M	653	4300	108	1.3	2.6	1.54
		F	617	3250	119	-	3.8	1.38
		F	597	2820	249	-	9.7	1.33
		F	572	2400	140	2.2	6.2	1.28
		F	623	3350	215	2.3	6.9	1.39
		F	608	3140	215	2.3	7.4	1.40
		M	638	3550	120	1.3	3.5	1.37
		F	627	3880	154	2.3	4.1	1.57
		M	640	3560	70	-	2.0	1.36
		F	625	3460	152	2.3	4.6	1.42
		F	560	2570	63	1.3	2.5	1.46
		M	657	3950	44	2.3	1.1	1.39
		M	583	2550	40	-	1.6	1.29
		M	608	3240	88	2.3	2.8	1.44
		M	706	5250	194	1.3	3.8	1.49
		F	617	3200	168	2.3	5.5	1.36
		F	578	2580	245	2.2	10.5	1.34
		F	614	3220	105	2.3	3.4	1.39
		M	624	3300	95	2.3	3.0	1.36
		F	682	4520	187	1.3	4.3	1.42
	63-C	M	647	3800	113	1.3	3.1	1.40
		M	675	4220	100	2.3	2.4	1.37
		M	596	2640	56	-	2.2	1.25
		F	586	2800	99	2.3	3.7	1.39
	72-C	M	648	4460	120	1.3	2.8	1.64
		F	637	3600	290	1.3	8.8	1.39
		F	594	2770	170	2.3	6.5	1.32
		M	661	3610	72	1.3	2.0	1.25
		F	627	3100	220	1.3	7.6	1.26
		M	660	4080	60	1.3	1.5	1.42
		F	667	4150	252	1.3	6.5	1.40
		M	637	3400	70	1.3	2.1	1.32
		F	624	3100	183	2.3	6.3	1.28
		F	628	3700	190	2.3	5.4	1.49
		F	595	2800	91	1.3	3.4	1.33
		F	592	3020	183	2.3	6.5	1.46
		M	618	3520	116	2.3	3.4	1.49
	82-C	M	695	4520	103	-	2.3	1.35
		M	673	3970	125	2.2	3.3	1.30
		M	647	3400	48	2.3	1.4	1.26
		F	643	3610	106	-	3.0	1.36
		F	551	2350	254	2.2	12.1	1.40
		F	615	3090	161	-	5.5	1.33
		M	612	3230	50	2.3	1.6	1.41
		F	631	3970	150	2.3	3.9	1.58
		M	588	3150	75	2.3	2.4	1.55
		M	669	3800	69	1.3	1.8	1.27
		F	621	3940	140	2.3	3.7	1.65
		M	560	2420	25	1.2	1.0	1.38
		M	504	1720	45	1.2	2.7	1.34
		F	626	3180	252	1.3	8.6	1.30
		F	579	2950	260	1.3	9.7	1.52
		F	587	2560	160	1.3	6.7	1.27
	93-C	F	630	3430	335	1.4	10.8	1.37
		M	658	4050	134	1.3	3.4	1.42
	106-C	F	612	3580	244	0.4	7.3	1.56
		M	663	4500	78	1.3	1.8	1.54
		F	604	3250	122	2.3	3.9	1.47
		M	620	3480	108	1.3	3.2	1.46
		F	604	2810	224	1.3	8.7	1.28
		F	619	3200	195	2.3	6.5	1.35
		F	601	2940	218	1.3	8.0	1.35

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	626	3270	135	2.3	4.3	1.33
		F	533	1990	126	1.2	6.8	1.31
		F	577	2540	146	2.3	6.1	1.32
		F	614	2950	119	2.3	4.4	1.23
		F	623	3010	215	-	7.7	1.24
		M	540	1620	87	2.2	5.7	1.22
		F	606	2790	157	2.3	6.0	1.25
		M	654	3670	70	2.3	1.9	1.31
		F	598	3250	234	1.3	7.8	1.52
		F	581	2620	194	-	8.0	1.34
		M	658	3740	116	2.3	3.2	1.31
		F	639	3000	248	1.3	9.0	1.15
		F	628	3150	157	2.3	5.2	1.27
		F	603	3150	220	2.3	7.5	1.44
		F	522	1560	50	-	3.3	1.10
		M	664	2890	67	2.3	2.4	0.99
		F	609	3040	150	1.3	5.2	1.35
		M	636	3840	60	2.3	1.6	1.49
		F	600	3180	173	1.3	5.8	1.47
		F	644	3500	170	2.3	5.1	1.31
		F	634	3500	120	2.3	3.6	1.37
	138-C	M	469	1480	67	2.2	4.7	1.43
		F	640	3430	132	1.3	4.0	1.31
		M	654	3930	89	1.3	2.3	1.40
		F	600	3420	149	-	4.6	1.58
		M	649	3900	94	1.3	2.5	1.43
		F	634	3300	180	1.3	5.8	1.29
		F	624	2820	145	2.3	5.4	1.16
		F	574	2820	112	1.3	4.1	1.49
		F	603	2900	209	-	7.8	1.32
		F	596	2900	117	1.3	4.2	1.37
		F	653	3540	282	-	8.7	1.27
		M	647	4020	127	2.3	3.3	1.48
		F	587	3150	245	2.3	8.4	1.56
		F	622	3210	104	2.3	3.3	1.33
		M	649	3840	72	1.3	1.9	1.40
		F	599	3000	137	1.3	4.8	1.40
		M	566	2410	48	2.2	2.0	1.33
		F	601	2920	209	1.4	7.7	1.35
		F	628	3500	334	1.3	10.5	1.41
		F	625	3490	149	1.3	4.5	1.43
	137-C	M	666	3250	121	2.3	3.9	1.10
		F	614	3450	307	2.3	9.8	1.49
		M	652	3840	60	2.4	1.6	1.39
		M	664	4140	52	2.4	1.3	1.41
		M	664	3600	35	1.3	1.0	1.23
		F	601	2860	47	2.2	1.7	1.32
		F	624	3410	232	1.3	7.3	1.40
		M	664	4050	82	1.3	2.1	1.38
		M	667	4120	114	1.3	2.8	1.39
		M	661	4100	83	1.3	2.1	1.42
		F	614	3300	204	1.3	6.6	1.43
		M	630	3800	70	1.3	1.9	1.52
		F	605	3310	227	1.3	7.4	1.49
		F	638	3730	275	1.3	8.0	1.44
		F	586	2550	205	1.3	8.7	1.27
		F	602	2630	302	1.3	13.0	1.21
		F	590	3000	131	2.3	4.6	1.46
		F	619	3250	133	1.3	4.3	1.37
		F	638	3230	186	1.3	6.1	1.24
		F	628	3340	92	2.3	2.8	1.35
		F	551	2300	82	1.2	3.7	1.37
G11	130	F	607	3190	154	1.3	5.1	1.43
		F	599	2810	147	2.3	5.5	1.31
		F	627	3280	298	1.3	10.0	1.33
		F	521	2140	175	2.2	8.9	1.51
		M	613	2730	104'	1.3	4.0	1.19
		F	613	3130	115	2.3	3.8	1.36
		F	581	2600	147	1.3	6.0	1.33
		F	645	3450	164	2.3	5.0	1.29

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	647	3880	115	1.3	3.1	1.43
		F	595	2720	250	1.3	10.1	1.29
		F	611	2700	180	1.3	7.1	1.18
		M	566	2480	46	2.3	1.9	1.37
		M	534	2140	71	1.2	3.4	1.41
		F	596	2850	141	2.3	5.2	1.35
		F	594	2580	207	1.3	8.7	1.23
	121	F	578	3000	224	-	8.1	1.55
		M	605	2880	53	2.2	1.9	1.30
		F	582	2310	194	1.3	9.2	1.17
		M	563	1350	50	1.2	3.8	0.76
		M	554	2160	81	1.2	3.9	1.27
		F	557	2000	105	2.2	5.5	1.16
		F	592	3180	215	1.3	7.3	1.53
		M	647	4030	29	1.3	0.7	1.49
		M	646	3620	64	2.3	1.8	1.34
		F	662	3290	180	2.3	5.8	1.13
		F	589	2700	94	2.3	3.6	1.32
		F	592	2690	215	-	8.7	1.30
		F	618	3040	230	2.3	8.2	1.29
		F	586	2900	198	1.4	7.3	1.44
		F	636	3350	258	2.3	8.3	1.30
		F	640	3450	184	2.3	5.6	1.32
		F	640	3760	125	-	3.4	1.43
		F	621	2930	174	-	6.3	1.22
		M	684	4120	114	1.3	2.8	1.29
		M	656	4240	118	2.3	2.9	1.50
		F	602	3050	143	2.3	4.9	1.40
		M	664	4010	59	2.3	1.5	1.37
		M	659	3800	114	2.3	3.1	1.33
		F	647	3360	174	2.3	5.5	1.24
		M	663	4300	82	2.3	1.9	1.48
		F	623	3240	199	2.3	6.5	1.34
		M	594	2700	47	-	1.8	1.29
		F	591	2840	151	2.2	5.6	1.38
		M	600	3040	18	2.3	0.6	1.41
		M	653	3640	67	1.3	1.9	1.31
		F	526	1990	132	1.2	7.1	1.37
		F	596	2750	138	1.3	5.3	1.30
		M	694	4930	77	2.3	1.6	1.47
		M	616	3340	48	2.2	1.5	1.43
		F	612	3050	170	2.3	5.9	1.33
		M	697	4450	59	-	1.3	1.31
		F	522	2000	61	1.2	3.1	1.41
		F	612	2720	110	2.3	4.2	1.19
		F	552	2440	134	2.3	5.8	1.45
		M	693	4060	49	2.3	1.2	1.22
		M	678	4200	91	2.3	2.2	1.35
		M	557	2150	56	2.2	2.7	1.24
		F	599	3020	155	2.3	5.4	1.41
		M	653	4250	39	1.3	0.9	1.53
		F	610	3200	170	1.3	5.6	1.41
	115	M	667	4320	177	1.3	4.3	1.46
		F	580	3620	186	-	5.4	1.86
		F	603	2880	116	2.3	4.2	1.31
		M	590	2600	36	3.2	1.4	1.27
		M	640	3650	16	1.3	0.4	1.39
		M	443	1550	41	-	2.7	1.78
	48-C	M	723	5630	63	2.3	1.1	1.49
		M	694	4470	45	2.3	1.0	1.34
		M	685	4070	92	2.3	2.3	1.27
		M	550	2150	55	2.2	2.6	1.29
	55-C	M	651	4000	94	-	2.4	1.45
	63-C	M	652	3630	81	2.3	2.3	1.31
		M	663	4140	104	2.3	2.6	1.42
		F	619	2820	135	3.3	5.0	1.19
	72-C	M	660	4390	42	1.4	1.0	1.53
		M	617	3130	45	1.3	1.5	1.33
	82-C	F	633	3720	277	1.3	8.0	1.47
		F	596	2800	227	1.3	8.8	1.32

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	93-C	M	711	4950	100	2.3	2.1	1.38
		F	630	3130	230	2.3	7.9	1.25
		F	644	3550	192	1.3	5.7	1.33
		F	646	3890	228	1.3	6.2	1.44
		F	621	3860	154	2.3	4.2	1.61
		M	534	2220	73	2.2	3.4	1.46
		M	668	4120	82	2.3	2.0	1.38
		F	531	2000	135	1.2	7.2	1.34
		F	510	1820	109	1.2	6.4	1.37
		F	606	3160	158	2.3	5.3	1.42
		F	580	2680	190	1.3	7.6	1.37
	106-C	F	600	2700	260	2.3	10.7	1.25
		F	608	3040	165	2.3	5.7	1.35
		F	670	4130	400	2.3	10.7	1.37
		F	622	3320	145	2.3	4.6	1.38
		M	630	3020	62	2.3	2.1	1.21
	121-C	F	623	2710	183	2.3	7.2	1.12
		M	614	3760	81	1.3	2.2	1.62
		F	600	3620	262	1.3	7.8	1.68
		F	511	1740	50	1.2	3.0	1.30
	138-C	F	577	2680	148	1.3	5.8	1.40
		M	543	2180	29	1.2	1.3	1.36
		F	647	3760	127	-	3.5	1.39
		F	624	3120	298	1.3	10.6	1.28
		M	587	2810	117	1.3	4.3	1.39
		M	648	3340	57	2.3	1.7	1.23
		M	639	3650	55	1.4	1.5	1.40
	157-C	M	650	3950	61	1.4	1.6	1.44
		F	598	3000	140	2.3	4.9	1.40
		M	598	3810	57	1.3	1.5	1.78
		F	597	3020	232	1.3	8.3	1.42
		M	661	3900	50	2.3	1.3	1.35
		M	640	3500	33	2.3	1.0	1.34
		M	613	3000	69	1.3	2.4	1.30
G12	130	M	697	4830	172	2.3	3.7	1.43
		M	690	4750	137	1.3	3.0	1.45
		F	566	2400	121	3.3	5.3	1.32
		F	542	2200	76	2.2	3.6	1.38
		F	624	3380	308	1.3	10.0	1.39
		F	620	3140	180	2.3	6.1	1.32
		M	682	4100	62	2.3	1.5	1.29
		M	645	3810	76	2.3	2.0	1.42
		F	612	3410	130	1.3	4.0	1.49
		F	612	2880	128	1.3	4.7	1.26
		M	680	4200	117	2.3	2.9	1.34
		M	562	2720	27	2.2	1.0	1.53
		F	660	3880	245	2.3	6.7	1.35
		F	598	2900	179	1.3	6.6	1.36
		F	635	3240	96	2.3	3.1	1.27
	121	F	546	1990	120	1.2	6.4	1.22
		F	511	1797	63	1.3	3.6	1.35
		F	517	1790	61	1.2	3.5	1.30
		F	617	3460	209	1.3	6.4	1.47
		F	616	3150	229	2.3	7.8	1.35
		M	667	4180	64	2.3	1.6	1.41
		F	593	2880	222	1.3	8.4	1.38
		M	685	4740	143	1.3	3.1	1.47
		M	625	3420	48	2.3	1.4	1.40
		F	620	3290	274	-	9.1	1.38
		M	675	4400	206	1.5	4.9	1.43
		M	635	3700	31	1.4	0.8	1.45
		M	572	2420	31	2.2	1.3	1.29
		M	575	2410	59	2.2	2.5	1.27
		M	660	3510	71	2.4	2.1	1.22
		M	664	4060	138	2.3	3.5	1.39
		M	674	4520	68	2.3	1.5	1.48
		M	684	4500	91	1.3	2.1	1.41
		F	624	3360	88	2.3	2.7	1.38
		F	627	3250	213	2.3	7.0	1.32
		F	652	3810	127	2.3	3.4	1.37
		F	546	2240	78	2.2	3.6	1.38
		F	558	2410	144	2.2	6.4	1.39
		F	532	1780	74	3.2	4.3	1.18
		M	578	2950	94	-	3.3	1.53
		F	608	2900	185	2.3	6.8	1.29
		F	639	3630	294	2.3	8.8	1.39
		M	641	4100	45	2.3	1.1	1.56
		M	693	4500	138	2.3	3.2	1.35
		F	630	3500	225	2.3	6.9	1.40
		F	544	2200	59	2.3	2.8	1.37
		F	619	3000	150	1.3	5.3	1.26
		M	540	2260	67	2.2	3.1	1.44
		M	641	3600	46	-	1.3	1.37
		M	580	2940	44	1.3	1.5	1.51
		F	620	3860	160	-	4.3	1.62
		M	627	3850	62	2.3	1.6	1.56
		F	600	3840	194	1.3	5.3	1.78
		F	554	2400	63	3.2	2.7	1.41
		F	517	1860	71	1.2	4.0	1.35
		F	601	2960	210	-	7.6	1.36
		F	640	3750	228	2.3	6.5	1.43
		F	516	1870	85	1.2	4.8	1.36
		M	670	4100	62	2.3	1.5	1.36
		M	663	4500	85	2.3	1.9	1.54
		M	672	4030	75	2.3	1.9	1.33
		M	586	2680	77	3.2	3.0	1.33
		F	622	3220	150	2.3	4.9	1.34
		M	664	4810	75	2.4	1.6	1.64
		M	635	4200	91	2.3	2.2	1.64
	115	F	616	3200	152	2.3	5.0	1.37
		F	588	2750	178	2.3	6.9	1.35
		F	626	3520	118	2.3	3.5	1.43
		F	520	1780	132	2.2	8.0	1.27
		F	617	3300	170	2.3	5.4	1.40
		F	630	3540	297	1.3	9.2	1.42
		F	638	3500	250	1.3	7.7	1.35
		F	543	2160	97	2.3	4.7	1.35
		F	641	3230	178	3.3	5.8	1.23
		M	684	4670	48	2.3	1.0	1.46
		F	611	3000	190	-	6.8	1.32
		M	678	4640	127	2.3	2.8	1.49
		M	698	4660	64	2.3	1.4	1.37
		F	602	3300	169	1.3	5.4	1.51
		F	607	2620	119	2.3	4.8	1.17
	48-C	M	660	4680	44	1.3	0.9	1.63
		M	613	3600	90	2.3	2.6	1.56
		M	650	4280	67	3.3	1.6	1.56
	55-C	F	636	3840	179	2.3	4.9	1.49
	72-C	F	631	3500	284	1.3	8.8	1.39
		M	686	4200	105	1.3	2.6	1.30
		M	652	4300	31	1.3	0.7	1.55
	82-C	M	682	4140	86	2.3	2.1	1.31
		M	657	3870	59	1.3	1.5	1.36
		M	643	3900	84	2.3	2.2	1.47
		M	650	3830	75	1.3	2.0	1.39
		F	614	3100	144	-	4.9	1.34
		F	650	3400	160	2.3	4.9	1.24
		M	662	4280	109	1.3	2.6	1.48
		M	657	4300	113	2.3	2.7	1.52
		M	645	3620	78	1.3	2.2	1.35
		F	620	3200	152	1.3	5.0	1.34
		F	584	2680	180	1.3	7.2	1.35
		F	594	3040	90	1.3	3.1	1.45
	93-C	M	503	1530	60	2.2	4.1	1.20
		M	550	2280	65	-	2.9	1.37
		M	675	4380	51	1.3	1.2	1.42
	106-C	F	623	3200	230	-	7.7	1.32
		F	531	1840	133	2.2	7.8	1.23
		F	588	2500	135	1.3	5.7	1.23
		M	668	4220	75	2.3	1.8	1.42

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	121-C	M	710	5150	177	1.3	3.6	1.44
		F	626	3380	153	2.3	4.7	1.38
		F	630	3710	250	1.3	7.2	1.48
		F	622	3080	195	2.3	6.8	1.28
		F	582	3100	132	2.3	4.4	1.57
		F	583	2740	135	1.3	5.2	1.38
		M	468	1740	57	1.3	3.4	1.70
	138-C	F	604	2860	114	1.3	4.2	1.30
		F	618	2940	199	2.3	7.3	1.25
		F	607	2920	150	2.3	5.4	1.31
G13	130	F	594	3400	195	1.3	6.1	1.62
		M	606	3290	154	2.3	4.9	1.48
		F	624	3110	165	-	5.6	1.28
		F	583	3100	190	1.3	6.5	1.56
		F	604	3150	174	-	5.8	1.43
		M	637	3720	63	2.3	1.7	1.44
		F	640	3600	172	2.3	5.0	1.37
		M	664	3890	122	2.3	3.2	1.33
		M	592	3560	82	2.2	2.4	1.72
		M	535	2990	22	2.2	0.7	1.95
		F	610	2800	154	1.3	5.8	1.23
		F	630	3300	135	1.3	4.3	1.32
		F	534	2100	135	2.2	6.9	1.38
		F	634	3050	164	1.3	5.7	1.20
		M	587	2300	47	2.2	2.1	1.14
		F	546	2220	134	1.2	6.4	1.36
		M	676	4300	66	1.3	1.6	1.39
		F	590	3220	215	1.3	7.2	1.57
		F	636	3800	203	2.3	5.6	1.48
		M	670	4010	126	1.3	3.2	1.33
		F	626	3470	130	1.2	3.9	1.41
		F	605	3800	143	1.3	3.9	1.72
		M	626	3300	42	2.3	1.3	1.35
		M	640	3750	50	1.3	1.4	1.43
		F	639	3580	169	2.3	5.0	1.37
		F	610	3040	304	1.3	11.1	1.34
		F	533	2100	133	1.2	6.8	1.39
		F	622	3480	194	1.3	5.9	1.45
		M	542	2160	68	1.2	3.3	1.36
		M	673	3900	85	-	2.2	1.28
	121	F	630	3300	206	2.3	6.7	1.32
		M	557	2360	46	2.2	2.0	1.37
		F	636	3570	160	2.3	4.7	1.39
		F	626	3360	159	2.3	5.0	1.37
		M	680	4650	67	1.3	1.5	1.48
		F	634	3400	214	1.3	6.7	1.33
		M	697	4630	138	1.3	3.1	1.37
		F	632	3440	126	2.3	3.8	1.36
		F	615	3460	160	1.3	4.8	1.49
		F	609	2840	175	1.3	6.6	1.26
		F	614	3130	116	1.4	3.8	1.35
		M	601	2930	59	1.3	2.1	1.35
		F	618	3250	159	2.2	5.1	1.38
		F	570	2360	175	2.2	8.0	1.27
		F	610	3190	240	1.3	8.1	1.41
		F	624	2900	120	2.3	4.3	1.19
		F	612	3280	170	3.3	5.5	1.43
		F	610	2910	211	1.3	7.8	1.28
		F	594	2900	300	-	11.5	1.38
		M	578	2500	86	2.3	3.6	1.29
		M	547	2130	48	2.2	2.3	1.30
		F	535	2040	55	1.2	2.8	1.33
		M	540	2140	84	2.2	4.1	1.36
		F	602	3140	116	1.3	3.8	1.44
		M	670	4160	45	2.3	1.1	1.38
		M	669	4300	105	2.3	2.5	1.44
		M	676	4000	95	2.3	2.4	1.29
		F	616	2950	96	2.3	3.4	1.26
		F	613	3160	290	2.3	10.1	1.37
		M	699	2150	74	-	3.6	0.63

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	611	2920	155	1.3	5.6	1.28
		M	675	3900	74	2.3	1.9	1.27
		M	576	2450	114	1.3	4.9	1.28
		F	588	2640	222	-	9.2	1.30
		M	607	2820	56	-	2.0	1.26
		F	617	3540	187	2.3	5.6	1.51
		F	636	3840	154	1.3	4.2	1.49
		F	639	3400	104	2.3	3.2	1.30
		F	570	2600	134	-	5.4	1.40
		F	609	2960	104	2.3	3.6	1.31
		F	620	3080	167	2.3	5.7	1.29
		F	575	2940	120	2.3	4.3	1.55
		F	601	2770	132	1.3	5.0	1.28
		M	530	2010	26	1.2	1.3	1.35
		M	648	3400	62	-	1.9	1.25
		M	678	4300	131	1.3	3.1	1.38
		M	687	4500	87	2.3	2.0	1.39
		M	674	4620	47	1.3	1.0	1.51
		M	666	4920	110	1.4	2.3	1.67
		M	519	1740	69	1.2	4.1	1.24
		F	593	3020	93	1.3	3.2	1.45
		F	543	2250	113	1.3	5.3	1.41
		F	603	3300	254	2.3	8.3	1.51
		F	528	1830	92	1.2	5.3	1.24
		F	513	1500	62	2.2	4.3	1.11
		M	527	2320	57	2.3	2.5	1.59
		F	615	3220	153	1.3	5.0	1.38
		F	620	3650	165	2.3	4.7	1.53
		F	509	2000	141	1.4	7.6	1.52
		F	527	1400	73	1.3	5.5	0.96
		M	662	3850	45	1.3	1.2	1.33
		M	681	3940	85	-	2.2	1.25
		F	613	2980	120	1.3	4.2	1.29
		F	582	2570	204	2.3	8.6	1.30
		M	604	3050	94	2.2	3.2	1.38
		F	607	3160	130	1.3	4.3	1.41
		F	592	2700	164	1.4	6.5	1.30
		M	597	2720	75	2.2	2.8	1.28
		F	614	3350	266	1.3	8.6	1.45
		F	626	3600	250	1.3	7.5	1.47
		M	658	4440	104	1.3	2.4	1.56
		F	604	3250	150	1.3	4.8	1.47
		M	640	3700	34	1.3	0.9	1.41
		F	620	3260	184	2.3	6.0	1.37
		F	619	3320	192	1.3	6.1	1.40
		F	645	3520	202	-	6.1	1.31
		F	588	2920	160	1.3	5.8	1.44
		M	598	3210	104	2.2	3.3	1.50
		M	597	2350	42	1.3	1.8	1.10
		M	641	3550	56	1.3	1.6	1.35
		F	622	3260	140	2.3	4.5	1.35
		F	690	3340	164	2.3	5.2	1.02
		M	642	3740	67	1.3	1.8	1.41
		M	541	2400	80	1.2	3.4	1.52
		F	586	2700	202	1.3	8.1	1.34
		F	578	2520	154	2.3	6.5	1.31
		M	547	2420	103	1.2	4.4	1.48
		F	613	3020	258	1.3	9.3	1.31
		M	576	2490	71	-	2.9	1.30
G14	130	M	654	4110	90	1.3	2.2	1.47
		M	613	3480	49	2.3	1.4	1.51
		F	614	3200	198	1.3	6.6	1.38
		F	614	3490	114	2.3	3.4	1.51
		M	510	1600	42	2.2	2.7	1.21
		F	632	3520	178	2.3	5.3	1.39
		F	587	2540	144	-	6.0	1.26
		M	529	1920	32	2.2	1.7	1.30
		F	563	2400	86	2.2	3.7	1.34
		M	563	2400	76	1.3	3.3	1.34
	121	M	589	2570	242	1.3	10.4	1.26

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	641	3700	65	2.3	1.8	1.40
		F	618	3570	223	2.3	6.7	1.51
		M	582	2850	62	2.2	2.2	1.45
		F	615	3050	130	2.2	4.5	1.31
		F	621	3020	140	1.3	4.9	1.26
		M	602	3290	95	2.2	3.0	1.51
		F	614	3450	260	1.3	8.2	1.49
		M	668	4050	82	1.4	2.1	1.36
		M	502	1450	27	2.2	1.9	1.15
		F	546	2240	60	2.2	2.8	1.38
		F	626	3330	68	2.3	2.1	1.36
		M	658	3690	70	1.3	1.9	1.30
		M	510	1600	39	2.2	2.5	1.21
		M	605	3430	32	3.3	0.9	1.55
		F	650	3930	173	1.3	4.6	1.43
		M	554	2300	65	1.2	2.9	1.35
		M	596	2920	60	-	2.1	1.38
		M	670	3690	40	2.3	1.1	1.23
		F	564	2340	130	2.2	5.9	1.30
		M	683	4450	31	2.3	0.7	1.40
		M	572	2400	42	2.2	1.8	1.28
		F	622	3260	117	2.3	3.7	1.35
		M	663	4430	56	2.3	1.3	1.52
		M	600	3310	76	2.2	2.4	1.53
		F	613	3230	142	1.3	4.6	1.40
		F	596	1940	154	1.3	8.6	0.92
		F	629	3310	220	1.3	7.1	1.33
		M	635	4250	104	1.3	2.5	1.66
		F	610	3100	222	1.3	7.7	1.37
	48-C	M	586	2900	48	2.2	1.7	1.44
	55-C	M	687	4390	110	2.3	2.6	1.35
		F	614	3110	255	2.3	8.9	1.34
		M	614	3200	37	1.3	1.2	1.38
		F	621	3300	164	2.3	5.2	1.38
	63-C	F	616	2030	74	2.2	3.8	0.87
		M	655	3800	35	2.3	0.9	1.35
	72-C	M	612	3080	52	2.2	1.7	1.34
		M	640	3800	72	1.3	1.9	1.45
		F	580	2600	200	-	8.3	1.33
		F	622	3300	112	2.2	3.5	1.37
		M	567	2340	57	-	2.5	1.28
	82-C	M	654	3400	50	2.3	1.5	1.22
		M	680	5020	55	1.3	1.1	1.60
		M	670	5100	104	2.3	2.1	1.70
		M	630	3600	23	2.3	0.6	1.44
	93-C	F	556	1870	80	-	4.5	1.09
		M	530	1900	32	1.2	1.7	1.28
		F	602	3200	263	1.3	9.0	1.47
		M	670	3810	72	2.3	1.9	1.27
		F	525	2230	153	2.2	7.4	1.54
	106-C	F	540	2160	146	2.2	7.2	1.37
		F	614	3000	138	1.3	4.8	1.30
		F	620	3300	203	-	6.6	1.38
		F	631	3420	200	2.3	6.2	1.36
		F	590	3450	215	-	6.6	1.68
		F	615	3300	165	-	5.3	1.42
		F	507	1680	65	2.2	4.0	1.29
	106-C	M	654	4020	98	-	2.5	1.44
		F	489	1401	99	2.2	7.6	1.20
		F	610	2900	260	2.4	9.8	1.28
	121-C	F	507	1590	110	2.2	7.4	1.22
		M	628	3180	92	1.3	3.0	1.28
		F	618	3200	185	1.3	6.1	1.36
		M	574	2410	33	2.2	1.4	1.27
		F	544	2150	150	-	7.5	1.34
		M	550	1850	50	2.2	2.8	1.11
		M	582	2760	91	2.2	3.4	1.40
		M	607	3060	31	1.3	1.0	1.37
		M	564	2650	70	2.2	2.7	1.48
		F	650	3030	124	2.3	4.3	1.10

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	693	4650	35	2.3	0.8	1.40
		F	552	2760	173	1.3	6.7	1.64
		F	645	3560	221	2.3	6.6	1.33
		F	554	2090	63	2.2	3.1	1.23
		M	670	3770	94	1.3	2.6	1.25
		F	654	4100	117	1.4	2.9	1.47
		M	660	3700	62	2.2	1.7	1.29
		M	587	2400	35	2.2	1.5	1.19
		M	626	3510	26	1.3	0.7	1.43
		M	520	1740	24	2.2	1.4	1.24
		F	633	3800	180	-	5.0	1.50
		F	612	3120	160	2.3	5.4	1.36
		M	576	2850	100	2.2	3.6	1.49
		F	580	2440	143	2.2	6.2	1.25
		M	470	1400	33	-	2.4	1.35
		M	650	3680	41	-	1.1	1.34
		M	626	3750	29	-	0.8	1.53
		F	630	3310	150	2.3	4.7	1.32
		M	568	2540	36	2.3	1.4	1.39
		F	609	2850	197	2.2	7.4	1.26
		F	624	3300	207	1.3	6.7	1.36
		M	635	3660	51	1.3	1.4	1.43
		M	696	4650	60	2.3	1.3	1.38
		M	623	3340	67	-	2.0	1.38
		F	610	3100	250	1.3	8.8	1.37
		M	576	2610	63	2.2	2.5	1.37
	138-C	M	607	3940	48	2.3	1.2	1.76
		M	654	4000	280	1.3	7.5	1.43
		M	578	2950	50	2.2	1.7	1.53
		F	590	3190	248	1.3	8.4	1.55
		M	623	3850	50	2.3	1.3	1.59
		F	530	1910	90	1.2	4.9	1.28
	157-C	M	615	2840	187	1.4	7.0	1.22
		M	651	3900	268	2.3	7.4	1.41
		M	615	2600	140	2.3	5.7	1.12
		M	653	3720	235	2.2	6.7	1.34
		F	662	3850	450	1.3	13.2	1.33
		F	663	3880	103	1.3	2.7	1.33
		M	643	3480	54	2.3	1.6	1.31
		F	658	3850	297	1.3	8.4	1.35
		M	625	3400	139	1.3	4.3	1.39
		F	614	3340	354	2.2	11.9	1.44
		M	635	3760	236	-	6.7	1.47
		M	656	3460	107	-	3.2	1.23
		F	620	3400	254	-	8.1	1.43
		M	547	3920	121	-	3.2	2.40
		M	553	2480	75	2.2	3.1	1.47
		F	614	3500	265	1.3	8.2	1.51
		F	618	3220	194	-	6.4	1.36
		M	660	4500	205	-	4.8	1.57
		F	572	2640	172	1.3	7.0	1.41
		M	574	2620	49	2.2	1.9	1.39
	G15-130	F	610	3140	340	1.3	12.1	1.38
		F	619	3360	165	2.2	5.2	1.42
		F	621	3100	215	1.3	7.5	1.29
		M	648	3600	59	2.3	1.7	1.32
		F	610	2910	184	2.3	6.7	1.28
		F	584	2550	113	2.2	4.6	1.28
		M	652	4030	68	1.3	1.7	1.45
		F	616	3090	61	1.3	2.0	1.32
		F	557	2220	89	2.2	4.2	1.28
		F	606	3090	120	2.3	4.0	1.39
		F	617	3080	64	1.3	2.1	1.31
		F	560	2400	112	2.2	4.9	1.37
		F	648	2380	102	2.3	4.5	0.87
		F	645	3150	137	2.3	4.5	1.17
		F	640	3890	169	2.3	4.5	1.48
	121	M	676	4140	107	2.3	2.7	1.34
		M	592	2840	53	2.2	1.9	1.37
		M	656	4110	93	1.3	2.3	1.46

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	660	4220	39	1.3	0.9	1.47
		F	627	3400	189	2.3	5.9	1.38
		F	645	3650	128	2.3	3.6	1.36
		F	605	3100	104	2.3	3.5	1.40
		F	611	3200	246	1.3	8.3	1.40
		F	586	2440	150	1.3	6.6	1.21
		F	642	3220	108	2.3	3.5	1.22
		F	595	3060	168	2.2	5.8	1.45
		M	602	2780	54	2.3	2.0	1.27
		M	576	2710	111	2.2	4.3	1.42
		M	582	2400	52	2.3	2.2	1.22
		F	608	1940	44	2.3	2.3	0.86
		F	524	2160	154	2.2	7.7	1.50
		M	622	3130	98	2.3	3.2	1.30
		F	622	3050	149	2.3	5.1	1.27
		F	619	3100	100	2.3	3.3	1.31
		F	651	3510	168	2.3	5.0	1.27
		F	612	2920	73	2.4	2.6	1.27
		F	638	3700	220	2.3	6.3	1.42
		F	649	3940	183	-	4.9	1.44
		F	626	3310	198	2.3	6.4	1.35
		F	645	3760	250	1.3	7.1	1.40
		M	641	3750	58	2.3	1.6	1.42
		F	627	3220	220	2.3	7.3	1.31
		F	620	3210	85	3.3	2.7	1.35
		F	590	2800	119	2.3	4.4	1.36
		F	627	3160	175	1.3	5.9	1.28
		F	622	3290	125	2.3	3.9	1.37
		M	595	2880	84	2.2	3.0	1.37
		F	617	3100	105	2.3	3.5	1.32
		M	548	2320	83	2.2	3.7	1.41
		F	631	3510	158	1.3	4.7	1.40
		F	600	2980	198	1.3	7.1	1.38
		M	649	2180	47	1.3	2.2	0.80
		F	631	3200	98	2.3	3.2	1.27
		M	634	3260	46	2.3	1.4	1.28
		F	599	3240	130	-	4.2	1.51
		F	610	3120	84	2.2	2.8	1.37
		M	617	3450	102	1.3	3.0	1.47
		F	628	3130	100	2.3	3.3	1.26
		F	618	3400	107	3.2	3.2	1.44
		M	659	3940	61	2.3	1.6	1.38
	55-C	M	667	4290	84	-	2.0	1.45
	63-C	M	654	4150	78	2.3	1.9	1.48
		M	674	4600	53	1.3	1.2	1.50
		M	620	3420	55	1.3	1.6	1.43
		M	670	4400	52	2.3	1.2	1.46
	72-C	M	612	2780	38	1.3	1.4	1.21
	82-C	F	637	3620	130	2.3	3.7	1.40
		F	650	3820	132	2.3	3.6	1.39
		F	599	3030	120	2.3	4.1	1.41
		F	627	2910	163	2.3	5.9	1.18
		M	634	3600	53	1.3	1.5	1.41
	93-C	F	614	2950	58	2.3	2.0	1.27
		F	523	1920	60	2.2	3.2	1.34
		M	518	1840	42	1.2	2.3	1.32
		M	477	1500	49	2.2	3.4	1.38
		M	375	700	14	2.1	2.0	1.33
		F	503	1680	88	2.2	5.5	1.32
	106-C	M	536	2000	34	2.2	1.7	1.30
		F	592	2860	150	2.3	5.5	1.38
		F	532	1760	108	2.2	6.5	1.17
		F	553	2160	140	2.2	6.9	1.28
		F	572	2250	67	2.2	3.1	1.20
		F	653	3600	95	2.3	2.7	1.29
	121-C	F	651	3640	280	2.3	8.3	1.32
		F	656	3790	238	2.3	6.7	1.34
		M	612	2950	30	1.3	1.0	1.29
		F	610	2940	169	2.3	6.1	1.30
		F	591	2650	274	1.3	11.5	1.28

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	662	4300	55	-	1.3	1.48
		M	502	1510	51	2.2	3.5	1.19
		F	614	2850	173	-	6.5	1.23
		F	615	3210	166	2.3	5.5	1.38
		F	608	3040	166	2.3	5.8	1.35
		M	560	2300	44	2.3	2.0	1.31
		M	648	3700	145	2.3	4.1	1.36
		F	554	2200	112	2.2	5.4	1.29
		F	570	2760	155	2.2	6.0	1.49
		F	608	2790	159	2.3	6.0	1.24
		F	610	3200	140	1.3	4.6	1.41
		F	640	3400	220	1.3	6.9	1.30
		M	625	3470	47	2.3	1.4	1.42
		M	485	1540	71	2.2	4.8	1.35
		F	526	2000	53	2.2	2.7	1.37
		F	618	3430	97	-	2.9	1.45
		F	621	3260	214	-	7.0	1.36
	138-C	M	663	4000	54	1.3	1.4	1.37
		F	575	2430	101	2.3	4.3	1.28
		F	592	2930	168	2.3	6.1	1.41
		F	613	3300	234	2.3	7.6	1.43
		M	576	2600	44	2.2	1.7	1.36
	157-C	M	689	4120	55	1.3	1.4	1.26
		F	605	3010	129	2.3	4.5	1.36
		M	677	4140	44	2.3	1.1	1.33
		M	630	3460	24	1.3	0.7	1.38
		M	663	3920	36	1.3	0.9	1.35
		M	597	2940	63	2.3	2.2	1.38
		F	601	3320	194	-	6.2	1.53
		M	557	2400	89	2.2	3.9	1.39
		F	612	3160	140	-	4.6	1.38
		F	622	3180	113	1.3	3.7	1.32
		F	646	4320	185	1.3	4.5	1.60
G16	130	F	622	3630	92	2.3	2.6	1.51
		F	585	2920	200	1.3	7.4	1.46
		F	607	3230	185	2.3	6.1	1.44
		F	668	3120	112	2.3	3.7	1.05
	121	F	610	3140	111	1.3	3.7	1.38
		M	690	4550	81	1.3	1.8	1.39
		M	615	3290	91	1.3	2.8	1.41
		F	624	3380	250	2.3	8.0	1.39
		M	650	3640	66	2.3	1.8	1.33
		M	605	3640	30	1.3	0.8	1.64
		F	618	3200	163	2.3	5.4	1.36
		M	624	3640	63	1.3	1.8	1.50
		F	520	1760	60	2.2	3.5	1.25
		F	491	1540	36	1.2	2.4	1.30
		F	632	3900	130	2.3	3.4	1.54
		M	650	3770	70	2.3	1.9	1.37
		M	631	3650	47	-	1.3	1.45
		M	660	4410	65	2.3	1.5	1.53
		M	627	3880	55	2.3	1.4	1.57
		F	613	2960	145	2.3	5.2	1.29
		F	626	3200	151	2.3	5.0	1.30
		M	587	2850	83	2.2	3.0	1.41
	138-C	F	627	3250	192	-	6.3	1.32
	157-C	F	530	1930	125	1.2	6.9	1.30
G17	130	F	632	3210	96	2.3	3.1	1.27
		F	598	3230	155	1.3	5.0	1.51
		F	616	2910	202	2.3	7.5	1.24
		F	636	3840	126	1.3	3.4	1.49
		F	645	3730	286	2.3	8.3	1.39
		F	636	4080	146	2.3	3.7	1.59
		M	690	4980	94	2.3	1.9	1.52
	121	M	595	2600	76	-	3.0	1.23
		F	614	3320	206	2.3	6.6	1.43
		F	545	2280	108	2.2	5.0	1.41
		M	678	4160	109	1.3	2.7	1.33
		F	556	2330	85	1.2	3.8	1.36
		F	630	3850	305	2.3	8.6	1.54

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	661	3840	35	2.3	0.9	1.33
		F	621	3220	74	2.3	2.4	1.34
	115	F	623	3000	244	-	8.9	1.24
		M	512	1630	51	2.2	3.2	1.21
	63-C	M	563	2180	73	1.3	3.5	1.22
	106-C	M	656	3840	42	2.3	1.1	1.36
	157-C	M	651	3890	48	1.3	1.2	1.41
		M	581	2920	39	2.2	1.4	1.49
G18	130	F	630	3520	131	2.3	3.9	1.41
		F	634	3540	82	3.3	2.4	1.39
		F	596	2890	133	2.3	4.8	1.37
		M	658	3780	25	2.3	0.7	1.33
		F	628	3200	198	2.3	6.6	1.29
		M	660	3450	83	2.3	2.5	1.20
	121	M	663	3800	35	1.3	0.9	1.30
		F	611	3070	161	2.3	5.5	1.35
		F	635	3560	240	2.3	7.2	1.39
		F	574	2570	110	2.2	4.5	1.36
		M	575	2620	65	2.2	2.5	1.38
		M	646	3560	72	2.3	2.1	1.32
		F	610	3060	220	1.3	7.7	1.35
		M	676	4140	112	1.3	2.8	1.34
		F	616	3100	177	2.3	6.1	1.33
		F	611	2950	344	1.3	13.2	1.29
		F	618	3320	78	2.3	2.4	1.41
		F	643	3560	180	2.3	5.3	1.34
		M	677	4540	56	1.3	1.2	1.46
		F	618	3460	110	2.3	3.3	1.47
		F	602	3060	250	1.3	8.9	1.40
		F	573	2760	76	2.2	2.8	1.47
		F	493	1540	44	1.1	2.9	1.29
		F	578	2820	241	2.3	9.3	1.46
		F	612	3200	187	1.3	6.2	1.40
		M	663	3820	82	1.3	2.2	1.31
		F	639	3340	94	2.3	2.9	1.28
G19	130	M	610	3220	54	2.3	1.7	1.42
		M	642	3580	70	2.3	2.0	1.35
		F	623	3250	219	1.3	7.2	1.34
		M	640	3090	59	2.3	1.9	1.18
		F	632	3280	165	2.3	5.3	1.30
		F	620	3320	269	2.3	8.8	1.39
		M	541	2020	67	1.2	3.4	1.28
		M	670	4320	123	2.3	2.9	1.44
		F	616	2770	200	1.3	7.8	1.19
		F	550	2180	144	2.2	7.1	1.31
		F	608	2920	269	1.3	10.1	1.30
		F	635	3320	228	1.3	7.4	1.30
		F	638	3270	240	1.3	7.9	1.26
		F	621	3280	176	1.3	5.7	1.37
		M	637	3730	42	1.3	1.1	1.44
		M	636	3656	66	1.3	1.8	1.42
		F	616	3580	130	1.3	3.8	1.53
		F	602	2590	131	2.3	5.3	1.19
		F	552	2260	124	1.2	5.8	1.34
		F	608	3080	199	2.3	6.9	1.37
		M	657	4160	77	2.3	1.9	1.47
		F	627	3540	198	1.3	5.9	1.44
		M	665	4610	139	2.3	3.1	1.57
		F	557	2460	82	-	3.4	1.42
		F	595	3780	153	-	4.2	1.79
		F	607	2860	155	1.3	5.7	1.28
		F	637	3270	149	2.3	4.8	1.27
		F	640	3370	218	1.3	6.9	1.29
		M	666	3760	94	-	2.6	1.27
		M	595	2810	84	2.2	3.1	1.33
		F	611	3240	213	1.3	7.0	1.42
		M	665	4220	103	1.3	2.5	1.43
		M	671	4380	92	2.3	2.1	1.45
		F	616	3210	287	1.3	9.8	1.37
	121	F	609	3160	200	1.3	6.8	1.40
		M	625	3450	114	1.3	3.4	1.41
		M	624	3350	74	2.3	2.3	1.38
		F	568	2630	144	-	5.8	1.44
		M	654	3720	36	1.3	1.0	1.33
		M	618	3230	124	-	4.0	1.37
		F	587	2590	265	1.3	11.4	1.28
		F	630	3380	339	1.3	11.1	1.35
		F	611	3050	217	2.3	7.7	1.34
		F	637	3140	118	2.3	3.9	1.21
		F	650	3940	95	-	2.5	1.43
		F	546	2220	115	2.2	5.5	1.36
		F	598	2980	144	2.3	5.1	1.39
		F	588	2700	285	1.3	11.8	1.33
		F	635	3750	178	2.3	5.0	1.46
		M	640	3160	46	2.2	1.5	1.21
		F	582	2140	217	1.3	11.3	1.09
		F	652	4190	359	1.3	9.4	1.51
		F	634	3410	368	-	12.1	1.34
		F	620	3760	206	-	5.8	1.58
		F	598	2940	235	1.3	8.7	1.37
		F	616	3250	254	2.3	8.5	1.39
	115	M	663	3900	83	3.3	2.2	1.34
	55-C	F	630	3100	100	1.3	3.3	1.24
	72-C	M	652	4180	47	-	1.1	1.51
		M	700	4500	66	2.3	1.5	1.31
		M	663	3830	114	2.3	3.1	1.31
		F	608	3000	152	2.3	5.3	1.33
		F	630	3520	294	1.3	9.1	1.41
		F	538	1890	42	2.2	2.3	1.21
	82-C	F	626	2880	140	1.3	5.1	1.17
		M	610	3300	41	1.3	1.3	1.45
		M	656	4230	87	2.3	2.1	1.50
		F	590	2600	244	1.3	10.4	1.27
	93-C	F	597	2850	94	2.3	3.4	1.34
	121-C	M	624	3210	72	1.3	2.3	1.32
		M	686	4830	130	-	2.8	1.50
		M	674	4400	42	2.3	1.0	1.44
		M	629	3600	114	1.3	3.3	1.45
		F	630	3200	100	2.3	3.2	1.28
		F	631	4200	134	1.3	3.3	1.67
		M	593	2800	35	-	1.3	1.34
		M	630	3400	45	2.3	1.3	1.36
	138-C	M	625	3390	51	3.3	1.5	1.39
		F	632	3560	108	2.3	3.1	1.41
		M	672	4350	64	2.3	1.5	1.43
		M	582	2850	29	2.2	1.0	1.45
	157-C	M	653	4040	158	1.3	4.1	1.45
		F	644	3510	174	1.3	5.2	1.31
		F	624	3360	109	2.3	3.4	1.38
		F	636	4000	165	2.3	4.3	1.55
		M	544	2370	45	-	1.9	1.47
G20	130	F	629	3610	198	1.3	5.8	1.45
		F	614	2970	110	2.3	3.8	1.28
		F	638	3370	210	1.3	6.6	1.30
		F	634	3290	85	2.3	2.7	1.29
		F	612	2760	173	2.3	6.7	1.20
		M	655	3720	63	2.3	1.7	1.32
		M	618	3040	71	2.2	2.4	1.29
		M	642	3620	115	1.3	3.3	1.37
		F	585	2750	107	-	4.0	1.37
		M	693	3960	118	1.3	3.1	1.19
		F	576	2800	189	1.3	7.2	1.47
		F	540	1860	54	2.2	3.0	1.18
		M	590	3210	78	2.2	2.5	1.56
		F	613	2960	156	1.3	5.6	1.29
		F	507	1680	138	1.2	8.9	1.29
		M	588	2920	62	1.3	2.2	1.44
		F	600	2740	179	1.3	7.0	1.27
		F	614	3140	184	1.3	6.2	1.36
		M	645	4220	62	2.3	1.5	1.57

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	600	3090	137	1.3	4.6	1.43
		M	660	3520	97	2.3	2.8	1.22
		F	644	3360	362	2.3	12.1	1.26
		M	650	3680	91	2.3	2.5	1.34
		M	662	4160	71	1.3	1.7	1.43
		F	635	3560	348	1.3	10.8	1.39
		F	616	3300	153	2.3	4.9	1.41
		F	564	2550	128	1.2	5.3	1.42
		F	652	4030	165	2.3	4.3	1.45
		F	609	3000	156	1.3	5.5	1.33
		F	610	3140	170	-	5.7	1.38
		M	623	3610	81	1.3	2.3	1.49
		F	644	3640	234	2.3	6.9	1.36
		M	582	2660	125	2.2	4.9	1.35
		F	620	3200	136	2.3	4.4	1.34
		M	632	3440	102	1.3	3.1	1.36
		F	612	3400	349	1.3	11.4	1.48
		M	692	4250	88	2.3	2.1	1.28
		F	620	3410	180	-	5.6	1.43
		F	608	2700	165	-	6.5	1.20
		F	614	3050	271	1.3	9.8	1.32
		F	598	2830	164	1.3	6.2	1.32
		M	575	2560	55	1.3	2.2	1.35
		F	494	1720	140	1.2	8.9	1.43
		F	650	3880	210	2.3	5.7	1.41
		M	624	3180	58	1.3	1.9	1.31
	121	M	619	3480	93	1.3	2.7	1.47
		F	625	3120	226	2.3	7.8	1.28
		F	660	4120	126	2.3	3.2	1.43
		M	646	3770	68	2.3	1.8	1.40
		F	632	3630	345	2.3	10.5	1.44
		F	606	3430	185	-	5.7	1.54
		F	613	2950	170	1.3	6.1	1.28
		F	632	3190	202	1.3	6.8	1.26
		F	645	3730	340	1.3	10.0	1.39
		F	620	3300	154	1.3	4.9	1.38
		M	632	3420	87	1.3	2.6	1.35
		F	604	2850	144	2.3	5.3	1.29
		F	636	3680	104	2.3	2.9	1.43
		M	641	3740	28	2.3	0.8	1.42
		M	633	3200	74	2.3	2.4	1.26
		M	604	2930	98	2.2	3.5	1.33
		F	572	2280	70	2.2	3.2	1.22
		F	539	1680	150	-	9.8	1.07
		M	597	2960	40	1.3	1.4	1.39
		M	540	2140	86	1.3	4.2	1.36
		M	620	3390	107	1.3	3.3	1.42
		F	645	3560	148	2.3	4.3	1.33
		F	603	2770	314	2.2	12.8	1.26
		F	559	2180	81	2.2	3.9	1.25
		F	582	2620	159	1.3	6.5	1.33
		F	657	3400	137	2.3	4.2	1.20
		F	608	3180	100	2.3	3.2	1.41
		M	590	2790	71	1.3	2.6	1.36
		F	615	2980	244	1.3	8.9	1.28
		F	610	2980	174	1.3	6.2	1.31
		F	597	2840	194	2.3	7.3	1.33
		M	600	3740	45	1.3	1.2	1.73
		F	610	3060	152	-	5.2	1.35
		F	616	2940	165	2.3	5.9	1.26
		M	696	4540	114	2.3	2.6	1.35
		M	705	4850	113	2.3	2.4	1.38
		M	653	3610	80	1.3	2.3	1.30
		M	675	3880	75	2.3	2.0	1.26
		F	537	1840	184	1.2	11.1	1.19
		M	651	3770	72	2.3	1.9	1.37
		M	622	3260	102	1.3	3.2	1.35
		M	665	3680	56	1.3	1.5	1.25
		F	570	2400	61	-	2.6	1.30
		F	616	3000	160	1.3	5.6	1.28

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	115	F	589	3000	179	1.3	6.3	1.47
		F	555	2410	62	1.2	2.6	1.41
		M	650	3900	104	-	2.7	1.42
		M	678	3910	124	-	3.3	1.25
		F	619	3120	196	2.3	6.7	1.32
		F	636	3500	309	1.3	9.7	1.36
		F	597	1690	164	2.3	10.7	0.79
		F	623	3260	115	2.3	3.7	1.35
		M	675	4720	132	1.3	2.9	1.53
		M	672	4540	107	2.3	2.4	1.50
		F	607	3100	198	1.3	6.8	1.39
		M	572	2710	56	-	2.1	1.45
		M	660	3940	101	-	2.6	1.37
		F	608	3160	203	2.3	6.9	1.41
		M	678	4600	47	2.3	1.0	1.48
		F	620	3130	121	2.3	4.0	1.31
		M	712	5130	103	2.3	2.0	1.42
		M	655	3620	88	2.3	2.5	1.29
		F	552	2180	125	-	6.1	1.30
		F	624	3590	125	-	3.6	1.48
	63-C	M	613	3610	84	2.3	2.4	1.57
		M	634	3860	86	-	2.3	1.51
		M	690	4999	56	1.3	1.1	1.52
		M	636	3680	79	-	2.2	1.43
		M	684	4970	111	1.3	2.3	1.55
		F	602	2990	103	2.3	3.6	1.37
	72-C	F	590	2660	129	1.3	5.1	1.30
		M	667	4350	168	1.3	4.0	1.47
		M	651	3090	88	1.3	2.9	1.12
		F	614	3240	247	1.3	8.3	1.40
	82-C	F	490	1590	64	-	4.2	1.35
		M	582	2600	61	1.2	2.4	1.32
		M	683	4740	82	1.3	1.8	1.49
		M	658	4280	62	1.3	1.5	1.50
		F	640	3550	335	-	10.4	1.35
		M	677	4630	100	2.3	2.2	1.49
	106-C	F	625	3260	165	2.3	5.3	1.34
		F	633	3450	197	2.3	6.1	1.36
		M	701	4750	156	1.3	3.4	1.38
		M	594	2700	49	1.3	1.8	1.29
		F	588	2680	122	1.3	4.8	1.32
		M	688	4360	109	1.3	2.6	1.34
		F	584	2870	217	1.3	8.2	1.44
		M	580	3030	57	2.2	1.9	1.55
		F	609	2850	162	2.2	6.0	1.26
		F	623	3080	144	2.2	4.9	1.27
		F	633	3540	185	1.3	5.5	1.40
		M	687	3180	87	1.3	2.8	0.98
		F	603	2950	185	2.3	6.7	1.35
	121-C	F	598	3240	371	2.3	12.9	1.52
		M	610	3460	90	1.3	2.7	1.52
		M	654	4130	123	1.3	3.1	1.48
		F	560	2460	187	1.3	8.2	1.40
		F	613	3310	157	2.3	5.0	1.44
		F	613	3310	173	1.3	5.5	1.44
		M	538	2360	59	2.2	2.6	1.52
	157-C	F	642	3740	370	1.3	11.0	1.41
		F	634	3300	243	1.3	7.9	1.29
		F	618	3310	144	1.3	4.5	1.40
		M	672	4190	102	1.3	2.5	1.38
		M	576	2460	63	1.2	2.6	1.29
		M	600	2580	44	2.3	1.7	1.19
		F	616	2950	158	2.3	5.7	1.26
G21	130	M	697	4440	130	1.3	3.0	1.31
		F	615	3200	168	1.3	5.5	1.38
		M	654	3480	94	1.3	2.8	1.24
		F	622	3280	175	-	5.6	1.36
		F	608	3150	247	1.3	8.5	1.40
		F	597	2700	174	1.3	6.9	1.27
		F	584	2680	152	1.3	6.0	1.35

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	585	2500	155	1.3	6.6	1.25
		F	620	3420	223	2.3	7.0	1.43
		F	597	2890	248	1.3	9.4	1.36
		F	626	3000	266	1.3	9.7	1.22
		F	572	2620	164	1.3	6.7	1.40
		M	580	2710	65	1.3	2.5	1.39
		M	658	4430	130	1.3	3.0	1.55
		M	530	1790	29	1.2	1.6	1.20
		F	618	3250	287	1.3	9.7	1.38
		F	610	3340	176	1.3	5.6	1.47
		M	641	3840	80	1.3	2.1	1.46
		M	604	2840	48	2.3	1.7	1.29
		F	622	3380	232	-	7.4	1.40
		M	657	4150	71	1.3	1.7	1.46
		F	602	2960	209	1.3	7.6	1.36
		F	551	2380	167	1.2	7.5	1.42
		M	682	4350	55	1.3	1.3	1.37
		F	637	3640	338	-	10.2	1.41
		M	664	3680	45	2.3	1.2	1.26
		F	619	3170	224	2.3	7.6	1.34
		F	641	3430	155	1.3	4.7	1.30
		F	620	3210	334	-	11.6	1.35
		F	562	2730	148	2.3	5.7	1.54
		F	617	3500	154	2.3	4.6	1.49
		F	641	3400	338	2.3	11.0	1.29
		F	542	2020	108	1.2	5.6	1.27
		F	592	2710	132	1.3	5.1	1.31
		F	620	3160	116	1.3	3.8	1.33
	121	F	607	3290	170	2.3	5.4	1.47
		M	662	4000	76	2.3	1.9	1.38
		F	640	3370	201	2.3	6.3	1.29
		F	624	3720	264	1.3	7.6	1.53
		F	632	3050	98	2.3	3.3	1.21
		F	636	3480	312	1.3	9.8	1.35
		F	620	2860	289	2.3	11.2	1.20
		F	612	2720	204	2.3	8.1	1.19
		F	606	3240	167	2.3	5.4	1.46
		F	551	2340	126	1.2	5.7	1.40
		F	642	3740	160	1.3	4.5	1.41
		F	606	2970	200	2.3	7.2	1.33
		M	617	3550	35	2.3	1.0	1.51
		M	563	2340	57	1.3	2.5	1.31
		M	598	3250	100	2.2	3.2	1.52
		F	602	2980	178	1.3	6.4	1.37
		M	566	2480	100	1.3	4.2	1.37
		F	544	1940	151	1.2	8.4	1.21
		M	613	2940	53	1.3	1.8	1.28
		F	607	2660	234	1.3	9.6	1.19
		F	602	2900	256	1.3	9.7	1.33
		M	604	2780	57	2.2	2.1	1.26
		F	622	3120	180	2.3	6.1	1.30
		F	642	3330	134	2.3	4.2	1.26
		F	618	2950	233	2.3	8.6	1.25
		F	652	3960	310	1.3	8.5	1.43
		M	593	2640	49	2.2	1.9	1.27
		M	662	4040	70	2.3	1.8	1.39
		F	585	2480	199	1.3	8.7	1.24
		F	601	3400	187	-	5.8	1.57
		M	606	3030	49	2.3	1.6	1.36
		F	593	2780	299	-	12.1	1.33
		M	654	3720	58	2.3	1.6	1.33
		M	680	4680	97	2.3	2.1	1.49
		F	628	3540	300	1.3	9.3	1.43
		F	607	3080	94	2.3	3.1	1.38
		M	632	3350	64	1.3	1.9	1.33
		F	665	3600	142	2.3	4.1	1.22
		M	667	4110	50	1.3	1.2	1.39
		F	624	3420	170	1.3	5.2	1.41
		F	631	3430	150	2.3	4.6	1.37
		M	674	4400	122	1.3	2.9	1.44

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	608	2920	114	1.3	4.1	1.30
		F	645	3450	400	1.3	13.1	1.29
		F	630	3480	263	1.3	8.2	1.39
		F	532	1740	101	1.2	6.2	1.16
		F	612	3050	152	1.3	5.2	1.33
		M	696	4500	87	1.3	2.0	1.33
		F	617	3430	244	1.3	7.7	1.46
		M	649	3700	63	1.3	1.7	1.35
		M	538	1900	72	1.2	3.9	1.22
		F	597	3000	134	-	4.7	1.41
		F	556	1980	97	2.2	5.2	1.15
		F	566	2460	149	1.2	6.4	1.36
		F	603	3200	154	1.3	5.1	1.46
		M	691	5030	140	-	2.9	1.52
		M	698	4330	80	1.4	1.9	1.27
		M	652	3920	79	2.3	2.1	1.41
		F	610	3430	140	2.3	4.3	1.51
		F	630	3380	138	2.3	4.3	1.35
		F	634	3080	230	2.3	8.1	1.21
		F	625	3200	223	2.3	7.5	1.31
		F	650	3940	196	1.3	5.2	1.43
		F	629	3170	150	1.3	5.0	1.27
		F	585	2770	143	-	5.4	1.38
		M	642	4000	53	-	1.3	1.51
		F	613	3100	178	2.3	6.1	1.35
		F	630	3160	102	2.3	3.3	1.26
		F	602	2720	144	1.3	5.6	1.25
		M	607	2500	62	2.3	2.5	1.12
	48-C	F	634	3800	143	1.3	3.9	1.49
		M	666	4320	63	1.3	1.5	1.46
	55-C	M	686	4700	97	1.3	2.1	1.46
		M	695	4280	74	1.3	1.8	1.27
	63-C	F	607	3600	227	1.3	6.7	1.61
		F	617	3930	164	1.3	4.4	1.67
		F	622	3500	185	2.3	5.6	1.45
	72-C	M	666	4110	120	1.3	3.0	1.39
		M	710	5110	114	1.3	2.3	1.43
	82-C	M	683	3950	93	1.3	2.4	1.24
		M	621	3220	97	1.3	3.1	1.34
		F	600	3220	104	2.3	3.3	1.49
		M	611	2950	66	2.2	2.3	1.29
		F	630	2860	158	2.3	5.8	1.14
		F	584	2550	100	1.3	4.1	1.28
		M	665	4050	97	1.4	2.5	1.38
		F	601	2950	157	1.3	5.6	1.36
		M	660	3740	82	1.3	2.2	1.30
		F	607	3240	197	1.3	6.5	1.45
	93-C	M	686	4700	97	1.3	2.1	1.46
		M	670	4450	68	1.3	1.6	1.48
	106-C	M	492	1460	63	1.2	4.5	1.23
		F	492	1560	65	1.2	4.3	1.31
		F	571	2750	139	1.3	5.3	1.48
		M	687	4050	98	2.4	2.5	1.25
		F	624	3170	223	1.3	7.6	1.30
		F	585	2970	202	1.3	7.3	1.48
		F	604	2720	190	1.3	7.5	1.23
	121-C	F	603	3980	151	1.3	3.9	1.82
		F	603	2700	161	1.3	6.3	1.23
		M	650	3920	101	2.3	2.6	1.43
		F	628	3560	162	1.3	4.8	1.44
		F	587	3000	205	-	7.3	1.48
		F	630	3300	164	1.3	5.2	1.32
		F	604	3040	198	1.3	7.0	1.38
	138-C	M	616	3480	95	1.3	2.8	1.49
		F	583	2600	260	1.3	11.1	1.31
		F	588	3060	150	2.3	5.2	1.51
		F	633	3530	123	1.3	3.6	1.39
		F	611	3130	220	2.3	7.6	1.37
		M	637	3140	82	1.3	2.7	1.21
		F	615	2980	298	1.3	11.1	1.28

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	138-C	M	594	3000	55	1.3	1.9	1.43
		M	703	5300	154	1.3	3.0	1.53
		F	619	3150	275	1.3	9.6	1.33
		F	615	3180	139	2.3	4.6	1.37
		F	616	3610	324	2.3	9.9	1.54
		M	690	4500	120	1.3	2.7	1.37
	157-C	F	591	2820	314	1.3	12.5	1.37
		M	670	4050	78	1.3	2.0	1.35
		M	576	2650	57	1.2	2.2	1.39
		M	681	3920	86	1.3	2.2	1.24
		M	667	4300	95	-	2.3	1.45
		F	650	3450	209	1.3	6.4	1.26
		M	604	3150	16	2.2	0.5	1.43
		F	612	3300	244	1.3	8.0	1.44
		F	618	3160	220	1.3	7.5	1.34
		F	580	2600	225	1.3	9.5	1.33
		M	654	3700	73	1.3	2.0	1.32
		F	623	3300	302	1.3	10.1	1.36
		F	620	3140	114	2.3	3.8	1.32
G22	130	M	600	3190	70	2.2	2.2	1.48
		M	644	3700	39	1.3	1.1	1.39
		F	650	3470	281	2.3	8.8	1.26
		M	696	4920	96	2.3	2.0	1.46
		M	676	4300	52	1.3	1.2	1.39
		M	609	3330	119	2.2	3.7	1.47
		F	627	3570	334	1.4	10.3	1.45
		M	620	3520	89	2.2	2.6	1.48
		F	581	2830	293	1.3	11.5	1.44
		F	617	3180	163	2.3	5.4	1.35
		M	623	3440	63	1.3	1.9	1.42
		M	540	2100	64	1.3	3.1	1.33
		M	642	3640	61	2.3	1.7	1.38
		F	624	3610	171	1.3	5.0	1.49
		F	622	3250	120	2.3	3.8	1.35
		F	624	3450	313	1.3	10.0	1.42
		F	610	3000	316	1.3	11.8	1.32
		F	543	2240	155	2.2	7.4	1.40
		F	620	3150	247	2.3	8.5	1.32
		M	661	4120	52	1.3	1.3	1.43
		F	617	3340	300	1.3	9.9	1.42
		F	664	4150	216	1.3	5.5	1.42
		F	626	3230	274	2.3	9.3	1.32
		F	635	3600	222	2.3	6.6	1.41
		M	527	1900	68	1.2	3.7	1.30
		M	731	5300	38	2.3	0.7	1.36
		F	576	2520	144	2.3	6.1	1.32
		F	630	3420	183	1.3	5.7	1.37
		F	631	3380	182	2.3	5.7	1.35
		F	607	2970	256	-	9.4	1.33
	121	F	582	2760	166	1.3	6.4	1.40
		F	641	3960	204	1.3	5.4	1.50
		F	630	4150	224	1.3	5.7	1.66
		M	514	1620	62	2.2	4.0	1.19
		F	604	3430	286	1.3	9.1	1.56
		M	636	3730	99	1.3	2.7	1.45
		F	603	2620	221	1.3	9.2	1.19
		M	630	3520	83	1.3	2.4	1.41
		F	644	3260	200	2.3	6.5	1.22
		F	622	3230	206	-	6.8	1.34
		F	528	2160	92	2.2	4.4	1.47
		F	605	3200	278	1.3	9.5	1.45
		M	625	3300	67	1.3	2.1	1.35
		M	667	4280	64	2.3	1.5	1.44
		F	607	2850	210	-	8.0	1.27
		M	646	3840	92	1.3	2.5	1.42
		M	597	2720	87	1.2	3.3	1.28
		F	582	2420	125	2.2	5.4	1.23
		M	692	4500	143	2.3	3.3	1.36
		M	639	3420	76	2.3	2.3	1.31
		M	549	2220	49	1.2	2.3	1.34

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	620	3040	27	-	0.9	1.28
		F	620	3120	123	2.3	4.1	1.31
		F	619	3420	414	2.3	13.8	1.44
		F	638	3630	230	1.3	6.8	1.40
		M	663	3680	110	1.3	3.1	1.26
		M	646	3720	72	1.4	2.0	1.38
		M	558	2360	48	1.2	2.1	1.36
		M	649	3840	60	1.3	1.6	1.40
		F	571	2550	114	2.2	4.7	1.37
		M	645	3720	90	2.3	2.5	1.39
		M	604	2580	66	2.3	2.6	1.17
		M	684	4270	67	1.3	1.6	1.33
		M	690	5000	124	1.3	2.5	1.52
		M	633	3300	30	2.3	0.9	1.30
		F	591	2640	190	-	7.8	1.28
		M	666	4400	63	1.3	1.5	1.49
		F	543	2060	98	2.2	5.0	1.29
		F	545	2360	97	1.2	4.3	1.46
		F	612	3160	324	1.3	11.4	1.38
		F	567	2550	114	1.2	4.7	1.40
		F	560	2370	92	2.2	4.0	1.35
		F	610	3320	128	-	4.0	1.46
		F	616	3250	257	1.3	8.6	1.39
	63-C	M	550	3930	144	1.3	3.8	2.36
		F	629	3440	333	1.3	10.7	1.38
		M	565	2560	90	1.2	3.6	1.42
		M	646	3560	77	2.3	2.2	1.32
		F	528	2780	168	1.2	6.4	1.89
	72-C	M	686	4390	126	2.3	3.0	1.36
		M	682	4160	91	2.3	2.2	1.31
	82-C	M	611	3080	59	-	2.0	1.35
		F	560	2700	95	2.3	3.6	1.54
		F	578	2540	229	1.3	9.9	1.32
		M	667	3750	83	2.3	2.3	1.26
	93-C	M	628	3580	91	-	2.6	1.45
		M	692	4650	73	2.3	1.6	1.40
		M	553	2640	81	-	3.2	1.56
	106-C	M	662	4130	134	1.3	3.4	1.42
		M	654	4020	110	1.3	2.8	1.44
		M	682	3980	63	1.3	1.6	1.25
		F	546	2040	55	2.2	2.8	1.25
		M	565	2660	78	2.2	3.0	1.47
		F	626	3230	110	1.3	3.5	1.32
		F	645	3750	109	1.3	3.0	1.40
		F	552	2350	126	1.2	5.7	1.40
		F	622	3235	270	1.3	9.1	1.34
		M	643	3650	86	1.3	2.4	1.37
		F	620	3440	87	2.3	2.6	1.44
		M	546	2120	47	1.2	2.3	1.30
		F	528	2260	125	1.2	5.9	1.54
		F	590	3160	192	-	6.5	1.54
	121-C	F	649	3250	214	-	7.0	1.19
		F	624	3500	282	1.3	8.8	1.44
		F	614	3350	304	1.3	10.0	1.45
		M	691	4820	67	1.3	1.4	1.46
		F	617	2820	270	1.3	10.6	1.20
		F	597	2960	274	1.3	10.2	1.39
		M	516	1540	40	2.2	2.7	1.12
		M	670	3950	72	2.3	1.9	1.31
		F	614	2780	246	1.3	9.7	1.20
		M	611	3080	68	2.2	2.3	1.35
		F	626	3330	220	2.3	7.1	1.36
	138-C	F	631	3780	170	1.3	4.7	1.50
		F	536	2350	96	1.2	4.3	1.53
		M	646	3950	98	2.3	2.5	1.47
		F	626	3140	122	1.3	4.0	1.28
		M	663	4240	71	2.3	1.7	1.45
		F	547	1980	71	2.2	3.7	1.21
		F	619	2860	83	1.3	3.0	1.21
		M	576	2550	58	2.2	2.3	1.33

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	599	2680	180	1.3	7.2	1.25
		M	643	3360	55	1.3	1.7	1.26
	157-C	M	675	4790	123	-	2.6	1.56
		F	608	3180	122	2.3	4.0	1.41
		M	648	3380	64	2.3	1.9	1.24
		F	602	3040	169	2.3	5.9	1.39
		F	620	3110	198	1.3	6.8	1.30
		F	613	2850	210	1.3	8.0	1.24

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G01	130	M	594	2600	12	-	0.5	1.24			F	575	2480	170	4	7.4	1.30
		F	604	2670	135	3	5.3	1.21			M	613	2820	16	5	0.6	1.22
		F	566	2020	100	4	5.2	1.11			F	576	2270	72	4	3.3	1.19
		F	606	3000	122	4	4.2	1.35			F	620	2480	32	4	1.3	1.04
		F	614	2700	44	3	1.7	1.17			M	528	1940	67	3	3.6	1.32
		F	556	2290	118	3	5.4	1.33			F	617	3100	103	4	3.4	1.32
		F	596	2710	72	4	2.7	1.28			F	625	2860	99	5	3.6	1.17
		F	594	2770	254	4	10.1	1.32			F	562	2230	150	4	7.2	1.26
		F	630	2990	136	4	4.8	1.20			F	613	2340	33	4	1.4	1.02
		F	632	3560	307	5	9.4	1.41			M	650	2940	5	3	0.2	1.07
		F	634	2950	150	5	5.4	1.16			F	573	2520	33	4	1.3	1.34
		F	556	2380	123	4	5.4	1.38			M	558	1910	3	4	0.2	1.10
		M	640	3680	22	4	0.6	1.40			F	596	2620	230	4	9.6	1.24
		F	590	2600	184	4	7.6	1.27			F	576	2360	75	4	3.3	1.23
		F	646	3850	190	5	5.2	1.43			M	594	2900	60	4	2.1	1.38
		M	588	2540	32	4	1.3	1.25			F	604	3030	80	5	2.7	1.38
		F	590	2240	42	4	1.9	1.09			F	646	2860	43	4	1.5	1.06
		F	614	2840	38	5	1.4	1.23			M	602	2660	20	4	0.8	1.22
		F	576	2260	30	4	1.3	1.18			F	618	2870	75	4	2.7	1.22
		M	614	2900	64	4	2.3	1.25			F	606	2520	188	4	8.1	1.13
		M	588	2690	126	4	4.9	1.32			F	575	1930	27	4	1.4	1.02
		M	615	3120	43	4	1.4	1.34			F	575	2420	190	5	8.5	1.27
		M	594	2420	8	4	0.3	1.15		48-C	M	641	3500	57	4	1.7	1.33
		F	585	2060	21	-	1.0	1.03		106-C	F	566	2220	76	4	3.5	1.22
		M	590	2090	5	4	0.2	1.02			F	603	2200	30	4	1.4	1.00
		F	581	2260	120	4	5.6	1.15			F	590	2600	96	4	3.8	1.27
		F	638	3490	210	5	6.4	1.34			F	598	2616	235	5	9.9	1.22
		F	580	2500	82	5	3.4	1.28			M	550	2060	2	-	0.1	1.24
		M	598	2610	11	4	0.4	1.22		121-C	M	650	3450	14	4	0.4	1.26
		M	616	3140	34	4	1.1	1.34			F	620	3050	180	4	6.3	1.28
		M	555	2040	8	4	0.4	1.19			M	630	3100	112	4	3.7	1.24
		F	627	2860	83	3	3.0	1.16			F	562	2200	187	4	9.3	1.24
	121	F	604	2600	175	4	7.2	1.18			F	618	3090	210	4	7.3	1.31
		M	583	2770	63	4	2.3	1.40			F	649	3200	150	4	4.9	1.17
		F	580	2350	115	5	5.1	1.20			M	522	1680	2	4	0.1	1.18
		M	633	3090	30	5	1.0	1.22			F	606	2770	73	4	2.7	1.24
		F	587	2500	180	4	7.8	1.24			F	598	2540	41	4	1.6	1.19
		F	582	2300	42	4	1.9	1.17			M	650	3160	37	4	1.2	1.15
		M	628	3180	111	4	3.6	1.28			F	588	2350	53	3	2.3	1.16
		F	610	3010	80	4	2.7	1.33		138-C	F	574	2350	116	4	5.2	1.24
		M	572	2480	11	-	0.4	1.33			F	566	2330	250	4	12.0	1.29
		F	588	2650	76	4	3.0	1.30			F	579	2370	88	4	3.9	1.22
		F	575	2310	154	4	7.1	1.22			F	618	2800	190	5	7.3	1.19
		M	615	2710	8	4	0.3	1.17			M	622	2860	115	5	4.2	1.19
		F	616	2710	144	4	5.6	1.16			M	686	3920	50	5	1.3	1.21
		M	604	2450	5	5	0.2	1.11			F	618	2880	122	5	4.4	1.22
		F	608	2650	43	5	1.6	1.18			F	593	2820	110	4	4.1	1.35
		F	616	3110	115	5	3.8	1.33			-	582	2480	110	5	4.6	1.26
		F	592	2400	320	4	15.4	1.16			-	614	2660	43	5	1.6	1.15
		F	586	2610	155	-	6.3	1.30			F	602	2810	255	4	10.0	1.29
		M	642	3100	70	4	2.3	1.17			F	565	2460	180	4	7.9	1.36
		F	592	2500	42	4	1.7	1.20			F	590	2200	32	-	1.5	1.07
		F	551	2040	126	4	6.6	1.22			F	604	2640	83	4	3.2	1.20
		F	642	3290	130	5	4.1	1.24		157-C	M	656	3460	55	4	1.6	1.23
		F	599	2630	49	4	1.9	1.22			F	619	3190	260	5	8.9	1.34
		F	590	2390	56	4	2.4	1.16			F	647	3600	149	-	4.3	1.33
		F	576	2420	88	4	3.8	1.27	G02	130	F	612	2670	193	5	7.8	1.16
		M	618	2920	12	4	0.4	1.24			M	598	2750	94	4	3.5	1.29
		M	615	2820	14	4	0.5	1.21			F	615	3010	98	5	3.4	1.29
		M	672	3560	12	5	0.3	1.17			M	618	3430	121	4	3.7	1.45
		F	564	1860	27	4	1.5	1.04			M	604	2540	84	4	3.4	1.15
		F	605	2730	108	-	4.1	1.23			M	613	2960	128	4	4.5	1.29
		M	686	3450	8	5	0.2	1.07			F	589	2300	101	-	4.6	1.13
		M	610	2370	5	4	0.2	1.04			F	622	2590	51	4	2.0	1.08
		F	612	2300	32	5	1.4	1.00			F	610	2960	114	5	4.0	1.30
		F	577	2350	68	4	2.9	1.22			F	645	3550	61	4	1.7	1.32
		M	623	3160	45	5	1.4	1.31			F	628	3080	124	5	4.2	1.24
		M	578	2760	14	4	0.5	1.43			M	626	3490	19	5	0.5	1.42
		M	586	2390	45	5	1.9	1.19			F	604	2600	98	4	3.9	1.18
		M	648	3390	36	5	1.1	1.25			M	585	2580	20	4	0.8	1.29

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	593	2640	238	5	9.9	1.27
		F	615	3000	77	-	2.6	1.29
		M	547	2000	26	4	1.3	1.22
		M	639	3280	104	5	3.3	1.26
		F	640	3320	330	4	11.0	1.27
		F	610	3000	245	5	8.9	1.32
		F	588	2190	40	4	1.9	1.08
		F	596	2810	98	5	3.6	1.33
		F	650	3600	107	5	3.1	1.31
		M	587	2170	14	4	0.6	1.07
		F	595	2440	62	4	2.6	1.16
		M	657	3560	38	4	1.1	1.26
		F	576	2140	74	4	3.6	1.12
		F	595	2460	32	5	1.3	1.17
		M	580	2230	5	4	0.2	1.14
		F	603	2600	105	5	4.2	1.19
		M	625	3550	23	4	0.7	1.45
		F	612	2520	20	5	0.8	1.10
		F	568	2120	30	4	1.4	1.16
		F	600	2520	90	5	3.7	1.17
	121	F	575	2500	63	4	2.6	1.32
		F	532	1940	42	-	2.2	1.29
		F	592	2600	192	4	8.0	1.25
		F	592	2610	69	4	2.7	1.26
		M	546	1880	29	3	1.6	1.15
		F	622	3200	120	-	3.9	1.33
		F	616	3140	274	4	9.6	1.34
		F	640	3320	230	6	7.4	1.27
		M	644	3510	11	5	0.3	1.31
		F	562	2180	66	5	3.1	1.23
		F	546	1910	100	4	5.5	1.17
		F	572	2260	74	4	3.4	1.21
		F	615	3080	100	5	3.4	1.32
		M	630	2740	6	4	0.2	1.10
		F	562	2250	25	4	1.1	1.27
		F	588	2550	190	4	8.1	1.25
		M	526	1950	18	3	0.9	1.34
		F	534	1790	43	4	2.5	1.18
		M	584	2300	66	4	3.0	1.15
		F	563	2560	109	5	4.4	1.43
		F	570	2350	41	4	1.8	1.27
	53-C	F	598	2400	80	5	3.4	1.12
	121-C	F	581	2430	71	5	3.0	1.24
		F	626	3120	168	5	5.7	1.27
		F	560	2160	145	4	7.2	1.23
	157-C	M	653	3400	97	-	2.9	1.22
G03	130	F	628	3330	113	-	3.5	1.34
		M	636	3570	27	-	0.8	1.39
		M	570	2320	7	-	0.3	1.25
		F	542	2230	160	-	7.7	1.40
		M	624	3240	29	-	0.9	1.33
		F	650	3520	149	-	4.4	1.28
	121	F	596	2670	161	-	6.4	1.26
		F	600	2810	105	-	3.9	1.30
		F	610	2980	197	-	7.1	1.31
		F	600	3190	90	-	2.9	1.48
		F	662	3900	115	-	3.0	1.34
		M	665	3970	143	-	3.7	1.35
		F	620	2690	44	-	1.7	1.13
		F	618	2860	65	-	2.3	1.21
		M	670	3770	95	-	2.6	1.25
		F	590	2620	255	-	10.8	1.28
		F	592	2680	165	-	6.6	1.29
	115	M	580	2780	159	-	6.1	1.42
		F	618	3050	38	-	1.3	1.29
		F	604	2400	45	-	1.9	1.09
		M	564	2600	15	-	0.6	1.45
G04	130	M	705	4980	75	5	1.5	1.42
		M	654	3980	20	5	0.5	1.42
		M	629	3000	121	4	4.2	1.21
		M	639	3860	130	4	3.5	1.48
		F	580	2560	160	4	6.7	1.31
		F	608	2840	210	4	8.0	1.26
		M	660	3830	27	5	0.7	1.33
		F	612	3820	80	5	2.1	1.67
		M	668	4170	28	5	0.7	1.40
		M	643	3100	20	5	0.6	1.17
		F	610	2960	86	6	3.0	1.30
		M	654	4060	192	4	5.0	1.45
		F	584	2680	226	4	9.2	1.35
		M	583	2730	69	4	2.6	1.38
		M	688	4820	31	5	0.6	1.48
		M	664	3940	30	5	0.8	1.35
		M	674	4350	101	4	2.4	1.42
		F	595	2800	57	4	2.1	1.33
		F	623	2990	250	5	9.1	1.24
		M	634	3450	132	4	4.0	1.35
	121	F	604	2870	240	4	9.1	1.30
		F	590	2920	110	-	3.9	1.42
		M	625	3340	18	4	0.5	1.37
		F	663	3530	185	5	5.5	1.21
		F	604	2730	170	4	6.6	1.24
		F	585	2720	52	4	1.9	1.36
		F	646	2780	47	4	1.7	1.03
		F	574	2430	163	4	7.2	1.28
		M	658	3860	119	5	3.2	1.35
		M	653	3870	28	4	0.7	1.39
		F	632	3390	112	5	3.4	1.34
		M	655	3870	38	5	1.0	1.38
		M	583	2750	28	4	1.0	1.39
		F	602	2390	223	4	10.3	1.10
		M	602	2700	19	4	0.7	1.24
		M	607	2460	7	4	0.3	1.10
		M	615	3210	145	4	4.7	1.38
		F	602	2980	219	5	7.9	1.37
		M	606	3170	71	4	2.3	1.42
		M	701	3980	15	5	0.4	1.16
		F	598	2730	97	5	3.7	1.28
		M	645	3730	27	5	0.7	1.39
		M	719	4930	36	5	0.7	1.33
		F	617	3190	47	4	1.5	1.36
		F	646	3800	205	5	5.7	1.41
		F	640	3460	150	5	4.5	1.32
		M	654	4230	140	4	3.4	1.51
		M	654	3570	36	4	1.0	1.28
		F	655	3990	110	5	2.8	1.42
		M	623	3650	10	4	0.3	1.51
		F	634	3100	86	4	2.9	1.22
		F	599	3000	140	4	4.9	1.40
		F	611	3080	214	4	7.5	1.35
		F	638	3090	142	5	4.8	1.19
		F	632	3660	94	5	2.6	1.45
		F	568	2100	26	4	1.3	1.15
		M	674	4840	52	5	1.1	1.58
		M	645	4150	26	5	0.6	1.55
		F	675	4220	153	-	3.8	1.37
		M	624	3210	33	4	1.0	1.32
		M	666	4070	36	5	0.9	1.38
		F	645	3660	355	6	10.7	1.36
		M	667	3540	10	4	0.3	1.19
		M	615	3130	95	4	3.1	1.35
		F	601	3040	107	4	3.6	1.40
		F	610	2950	80	5	2.8	1.30
		M	582	2280	17	4	0.8	1.16
		F	644	3630	121	5	3.4	1.36
		F	577	2680	219	4	8.9	1.40
		F	635	3510	119	5	3.5	1.37
		M	626	2120	6	4	0.3	0.86
		M	644	3330	33	4	1.0	1.25
		M	624	3610	220	4	6.5	1.49

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	593	3420	340	4	11.0	1.64
		F	621	2730	70	5	2.6	1.14
		F	583	3120	114	5	3.8	1.57
		F	574	2740	33	4	1.2	1.45
		M	607	4720	37	4	0.8	2.11
		F	644	2730	48	4	1.8	1.02
		M	645	3780	151	5	4.2	1.41
		M	620	3200	32	4	1.0	1.34
		M	641	3020	9	4	0.3	1.15
		F	573	2830	61	5	2.2	1.50
	119	F	626	3240	91	5	2.9	1.32
		M	613	3100	118	4	4.0	1.35
		F	589	2810	194	4	7.4	1.38
	115	M	640	3480	66	4	1.9	1.33
	72-C	F	585	2550	140	5	5.8	1.27
	93-C	F	620	3190	219	5	7.4	1.34
	106-C	M	638	3480	23	5	0.7	1.34
	157-C	M	617	3080	119	4	4.0	1.31
		M	669	4470	13	5	0.3	1.49
G05	130	M	659	4160	250	4	6.4	1.45
		M	591	2910	56	4	2.0	1.41
		M	600	3000	98	4	3.4	1.39
		M	649	3770	130	5	3.6	1.38
		M	632	3210	27	4	0.8	1.27
		M	637	3400	97	5	2.9	1.32
		F	563	2400	160	4	7.1	1.34
		F	577	2750	180	5	7.0	1.43
	121	F	641	3260	184	5	6.0	1.24
		F	620	3310	253	5	8.3	1.39
		F	576	2860	184	4	6.9	1.50
		F	627	3120	86	5	2.8	1.27
		M	641	3760	48	4	1.3	1.43
		M	597	2860	59	4	2.1	1.34
		F	580	2730	230	4	9.2	1.40
		F	601	3000	235	4	8.5	1.38
		M	593	2710	106	4	4.1	1.30
		F	664	4290	126	5	3.0	1.47
		M	573	2490	11	4	0.4	1.32
		F	635	3350	250	5	8.1	1.31
		F	579	2550	167	4	7.0	1.31
		F	596	2610	198	5	8.2	1.23
		F	563	2190	112	3	5.4	1.23
	106-C	F	587	2390	133	4	5.9	1.18
G06	121	F	626	3340	192	4	6.1	1.36
		M	612	3170	96	4	3.1	1.38
		M	605	2810	110	4	4.1	1.27
		M	640	3320	30	5	0.9	1.27
		F	623	3120	275	4	9.7	1.29
		F	582	2920	190	4	7.0	1.48
		F	620	3070	275	4	9.8	1.29
		F	542	2030	152	4	8.1	1.27
		F	624	3090	151	5	5.1	1.27
		F	635	3060	350	4	12.9	1.20
		F	538	2230	70	4	3.2	1.43
		F	619	3120	270	4	9.5	1.32
		F	655	3630	422	5	13.2	1.29
		M	568	2620	124	4	5.0	1.43
		F	596	2870	244	4	9.3	1.36
		F	640	3420	315	5	10.1	1.30
		M	660	4220	56	4	1.3	1.47
		F	632	3480	175	5	5.3	1.38
		M	590	2610	55	4	2.2	1.27
		F	638	3650	135	4	3.8	1.41
		M	609	3090	125	4	4.2	1.37
		M	565	2660	111	4	4.4	1.47
		M	647	3560	217	4	6.5	1.31
		F	600	2810	240	4	9.3	1.30
		M	686	4510	24	5	0.5	1.40
		M	634	2960	92	4	3.2	1.16
		F	624	3350	172	5	5.4	1.38
		M	622	3250	154	4	5.0	1.35
		M	613	3200	128	4	4.2	1.39
		M	627	3400	126	4	3.8	1.38
		M	629	3440	195	5	6.0	1.38
		F	602	2720	214	4	8.5	1.25
		F	633	3220	280	4	9.5	1.27
		M	677	4500	210	-	4.9	1.45
		F	585	2820	160	4	6.0	1.41
		F	552	2260	107	3	5.0	1.34
		F	564	2160	88	4	4.2	1.20
		F	588	3010	113	4	3.9	1.48
		F	598	2650	200	-	8.2	1.24
		M	664	3430	120	4	3.6	1.17
		M	610	2880	150	4	5.5	1.27
		F	624	2960	300	4	11.3	1.22
		M	648	3500	120	4	3.6	1.29
		F	604	2570	372	-	16.9	1.17
		F	556	2480	238	4	10.6	1.44
		F	601	2800	290	5	11.6	1.29
		M	595	2380	137	5	6.1	1.13
		F	556	2370	76	4	3.3	1.38
		M	668	4500	173	5	4.0	1.51
		F	630	3180	220	4	7.4	1.27
		F	584	3090	240	4	8.4	1.55
		F	590	2660	295	5	12.5	1.30
		F	600	2880	230	4	8.7	1.33
		F	575	2340	163	4	7.5	1.23
		F	572	2540	218	4	9.4	1.36
		F	593	2700	220	5	8.9	1.29
		F	634	3360	208	5	6.6	1.32
		M	684	4250	230	5	5.7	1.33
		F	595	2640	225	4	9.3	1.25
		M	640	3630	83	4	2.3	1.38
		F	653	3650	350	4	10.6	1.31
		F	564	2480	232	4	10.3	1.38
		F	569	2360	200	4	9.3	1.28
		M	622	3150	178	4	6.0	1.31
		F	547	2150	191	4	9.7	1.31
	93-C	F	615	3100	247	4	8.7	1.33
	106-C	F	639	3500	360	5	11.5	1.34
		M	570	2460	179	3	7.8	1.33
		F	577	2570	218	4	9.3	1.34
	121-C	M	517	1900	20	3	1.1	1.37
	138-C	F	604	3010	255	4	9.3	1.37
		M	634	3250	156	4	5.0	1.28
		M	620	3170	189	4	6.3	1.33
		F	620	3000	250	4	9.1	1.26
		M	637	3500	125	4	3.7	1.35
		M	598	3860	70	4	1.8	1.81
G07	130	M	628	4510	94	5	2.1	1.82
		F	630	3260	153	5	4.9	1.30
		M	625	3150	168	4	5.6	1.29
		F	578	2500	163	5	7.0	1.29
		F	591	2860	223	4	8.5	1.39
		M	610	2880	155	4	5.7	1.27
		F	541	2200	197	4	9.8	1.39
	121	M	642	3620	151	6	4.4	1.37
		F	597	2670	200	5	8.1	1.25
		M	672	4140	35	5	0.9	1.36
		M	630	3180	131	4	4.3	1.27
		F	578	2220	247	5	12.5	1.15
		F	615	3170	229	4	7.8	1.36
		F	584	2610	215	5	9.0	1.31
		F	594	2800	228	4	8.9	1.34
		M	615	2980	145	6	5.1	1.28
		M	607	3150	110	4	3.6	1.41
		F	623	3000	276	5	10.1	1.24
		F	621	2950	233	4	8.6	1.23
		F	629	3120	118	5	3.9	1.25
		M	586	2420	54	4	2.3	1.20

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	584	2460	127	4	5.4	1.24
		F	582	2570	239	4	10.3	1.30
		F	647	3510	380	5	12.1	1.30
		F	605	2820	254	4	9·9	1·27
		F	620	3360	250	4	8.0	1.41
		F	622	2990	270	5	9.9	1.24
		F	605	2950	229	4	8.4	1.33
		F	613	2860	238	4	9.1	1.24
		F	597	2750	204	4	8.0	1.29
		M	628	3520	195	4	5.9	1.42
		F	565	2280	172	4	8.2	1.26
		F	565	2300	230	4	11.1	1.28
		F	604	2800	239	4	9.3	1.27
		F	589	2620	190	5	7·8	1·28
		F	553	2190	198	4	9.9	1.29
		F	615	3210	262	4	8.9	1.38
		F	574	2600	98	4	3.9	1.37
		F	608	2910	266	4	10.1	1.29
		F	657	3710	331	6	9.8	1.31
		F	640	3240	354	5	12.3	1.24
		F	550	2160	235	4	12.2	1.30
		M	695	4400	46	5	1.1	1.31
		F	606	3030	263	5	9.5	1.36
		F	584	2620	220	4	9.2	1.32
		F	588	2400	165	4	7.4	1.18
		M	676	4120	36	5	0·9	1·33
		M	636	3430	24	4	0.7	1.33
		M	634	3450	58	5	1.7	1.35
		F	645	3450	292	5	9.2	1.29
		F	592	2770	220	4	8.6	1.34
		M	653	4120	146	5	3.7	1.48
		F	588	2620	240	4	10·1	1·29
		F	600	2820	168	4	6.3	1.31
		M	602	2720	61	4	2·3	1·25
		F	614	2950	300	5	11.3	1.27
		F	550	2150	150	4	7.5	1.29
		M	640	3280	78	4	2.4	1.25
		M	618	2910	99	6	3.5	1.23
		F	554	2100	180	4	9.4	1.24
		F	618	3200	212	4	7.1	1.36
		F	593	2800	116	4	4.3	1.34
		M	620	3670	48	4	1.3	1.54
		F	613	3260	142	5	4.6	1.42
		F	630	3280	200	4	6.5	1.31
		M	597	2360	15	5	0.6	1.11
		F	571	2440	103	4	4·4	1·31
		M	571	2460	51	4	2.1	1.32
		F	524	1970	166	4	9·2	1·37
		M	592	2050	164	4	8.7	0.99
		F	615	3370	264	4	8·5	1·45
		F	605	3060	264	4	9.4	1.38
		F	597	2730	240	4	9·6	1·28
	72-C	M	617	3580	150	4	4.4	1.52
	106-C	F	571	2670	196	4	7.9	1.43
		F	618	3240	116	-	3.7	1.37
		F	524	1900	117	4	6.6	1.32
		F	586	2860	218	4	8.3	1.42
		F	594	2730	243	4	9·8	1·30
		M	666	3640	43	5	1.2	1.23
		F	568	3940	171	5	4.5	2.15
	157-C	F	586	2460	164	4	7.1	1.22
		F	603	3020	273	4	9.9	1.38
		F	620	2830	150	4	5.6	1.19
		M	643	3790	135	4	3.7	1.43
		F	565	2760	102	4	3.8	1.53
		M	662	4050	160	5	4.1	1.40
G08	130	M	664	4200	56	4	1.4	1.43
		F	593	3100	165	4	5.6	1.49
	121	M	661	3660	200	4	5.8	1.27
		M	654	3860	146	4	3.9	1.38
		F	618	3950	336	5	9·3	1·67
		F	622	3360	290	5	9.4	1.40
		M	637	3000	5	4	0.2	1.16
		M	600	3910	126	6	3·3	1·81
		F	565	2410	220	4	10.0	1.34
		F	605	2750	268	5	10.8	1.24
		F	580	2450	225	4	10.1	1.26
		F	594	2450	396	4	19.3	1.17
		F	605	2560	203	4	8.6	1.16
		F	627	3560	291	4	8.9	1.44
		F	570	2070	196	4	10.5	1.12
		F	624	3340	335	5	11.1	1.37
		M	600	2880	122	4	4.4	1.33
		F	578	2610	250	4	10·6	1·35
		F	618	3100	272	5	9.6	1.31
		M	627	3140	125	4	4.1	1.27
		M	589	2730	122	4	4.7	1.34
		F	610	3010	265	4	9.7	1.33
		F	612	2950	105	-	3.7	1.29
		F	618	2710	265	4	10.8	1.15
		F	592	2630	200	4	8.2	1.27
		F	643	3400	141	5	4.3	1.28
		F	590	2830	260	4	10.1	1.38
		F	604	2750	275	4	11.1	1.25
		M	652	3720	60	4	1.6	1.34
		F	628	3460	300	5	9·5	1·40
		F	589	2750	209	4	8.2	1.35
		F	615	2690	88	4	3.4	1.16
		F	582	2570	300	4	13.2	1.30
		F	588	2460	295	4	13.6	1.21
		F	620	3050	280	4	10.1	1.28
		F	600	2680	230	4	9·4	1·24
		M	646	3230	120	5	3.9	1.20
		F	597	2980	250	3	9·2	1·40
		F	645	3350	295	5	9.7	1.25
		M	593	2850	127	4	4.7	1.37
		F	594	3100	275	4	9.7	1.48
		M	646	3520	156	5	4.6	1.31
		F	600	2850	220	6	8.4	1.32
		F	601	2450	215	4	9.6	1.13
		F	580	2620	205	4	8.5	1.34
		F	602	2900	215	5	8.0	1.33
		F	630	3340	242	4	7.8	1.34
		F	560	2250	245	4	12.2	1.28
		M	604	2690	12	4	0.4	1.22
		F	632	3690	187	4	5·3	1·46
		F	579	2830	254	4	9.9	1.46
	115	F	630	3450	252	5	7·9	1·38
		M	664	4080	197	4	5.1	1.39
		F	625	3000	375	5	14·3	1·23
		M	567	2430	70	3	3.0	1.33
		M	527	3130	122	5	4·1	2·14
	121-C	F	652	3360	263	4	8.5	1.21
	138-C	F	602	2980	246	4	9.0	1.37
		F	606	3740	310	4	9.0	1.68
		F	603	2800	265	4	10.5	1.28
		M	596	2770	133	4	5.0	1.31
	157-C	M	654	3500	160	5	4·8	1·25
G09	121	M	636	3410	200	-	6.2	1.33
		M	688	4750	31	6	0.7	1.46
		F	680	3890	87	4	2.3	1.24
		M	686	4490	220	4	5.2	1.39
		F	674	2300	245	4	11.9	0.75
		M	628	3470	210	4	6.4	1.40
		M	630	3400	142	4	4.4	1.36
		M	643	3510	209	4	6.3	1.32
		F	568	2600	235	4	9.9	1.42
		M	618	3180	165	4	5.5	1.35
		F	608	2900	330	4	12.8	1.29
		M	595	2700	157	4	6.2	1.28

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	653	3640	150	5	4.3	1.31
		F	660	3500	330	4	10.4	1.22
		F	632	3430	345	5	11.2	1.36
		M	653	3440	107	4	3.2	1.24
		F	652	3910	272	4	7.5	1.41
		M	654	3800	209	4	5.8	1.36
		M	652	4140	176	4	4.4	1.49
		M	692	4120	59	5	1.5	1.24
		M	608	3160	39	4	1.2	1.41
		F	642	3210	348	5	12.2	1.21
		F	610	2800	248	4	9.7	1.23
		F	607	3170	288	4	10.0	1.42
		F	623	3120	252	4	8.8	1.29
		M	590	2760	75	4	2.8	1.34
		F	642	3320	148	4	4.7	1.25
		M	695	4420	281	5	6.8	1.32
		F	620	3140	284	4	9.9	1.32
		F	618	3250	390	4	13.6	1.38
		F	605	2800	309	5	12.4	1.26
		F	622	3300	400	5	13.8	1.37
		F	557	2200	156	4	7.6	1.27
		F	654	3790	350	4	10.2	1.35
		M	610	3050	70	4	2.3	1.34
		F	573	2460	270	4	12.3	1.31
		F	571	2450	220	4	9.9	1.32
		F	600	3110	225	-	7.8	1.44
		M	636	3150	148	4	4.9	1.22
		F	630	3610	400	5	12.5	1.44
		F	600	2800	300	4	12.0	1.30
		M	604	2960	90	4	3.1	1.34
		F	584	2650	300	-	12.8	1.33
		F	573	2600	205	4	8.6	1.38
		M	633	3420	160	4	4.9	1.35
		F	601	2600	300	4	13.0	1.20
		F	584	2720	295	4	12.2	1.37
		F	585	2550	283	5	12.5	1.27
		M	585	2850	110	4	4.0	1.42
		M	653	3690	158	5	4.5	1.33
		F	642	3380	410	4	13.8	1.28
		M	622	3490	120	4	3.6	1.45
		F	612	3420	350	4	11.4	1.49
		F	630	3490	335	4	10.6	1.40
		F	600	3100	350	-	12.7	1.44
		F	590	2700	305	5	12.7	1.31
		F	622	2820	350	-	14.2	1.17
		F	656	3760	205	5	5.8	1.33
		M	580	2450	210	4	9.4	1.26
		-	617	3380		4		1.44
		M	685	4470	12	5	0.3	1.39
		M	570	2400	130	4	5.7	1.30
		F	618	2110	300	5	16.6	0.89
		M	606	3150	140	5	4.7	1.42
		M	653	3320	200	4	6.4	1.19
		M	665	4110	220	5	5.7	1.40
		F	594	2780	280	4	11.2	1.33
		M	609	3060	209	4	7.3	1.35
		F	627	2990	365	4	13.9	1.21
		F	593	2750	273	4	11.0	1.32
		F	547	2220	184	4	9.0	1.36
		F	615	2910	380	4	15.0	1.25
		M	626	3250	120	4	3.8	1.32
		M	665	3340	72	5	2.2	1.14
		F	590	2600	220	4	9.2	1.27
		M	678	3950	225	5	6.0	1.27
		M	599	2490	102	4	4.3	1.16
	63-C	M	648	3500	163	4	4.9	1.29
	93-C	F	650	3900	500	4	14.7	1.42
	106-C	F	603	2690	290	4	12.1	1.23
		M	676	4020	42	4	1.1	1.30
	121-C	F	603	3220	280	4	9.5	1.47
		F	599	3000	250	4	9.1	1.40
		F	630	3180	300	4	10.4	1.27
		M	637	3340	194	5	6.2	1.29
		F	643	3240	400	5	14.1	1.22
		M	669	3560	140	5	4.1	1.19
	138-C	M	645	3650	180	4	5.2	1.36
		F	654	3940	380	5	10.7	1.41
		F	632	3180	320	4	11.2	1.26
	157-C	M	660	3900	175	4	4.7	1.36
		M	680	3890	200	5	5.4	1.24
		M	600	3100	153	4	5.2	1.44
		M	730	5150	232	5	4.7	1.32
		M	643	3950	210	4	5.6	1.49
		M	642	3380	155	4	4.8	1.28
G10	121	M	641	3600	184	-	5.4	1.37
		F	589	2500	250	4	11.1	1.22
		F	610	2730	180	5	7.1	1.20
		M	671	4450	98	5	2.3	1.47
		F	627	3340	350	5	11.7	1.36
		F	601	2850	255	4	9.8	1.31
		F	591	2820	200	4	7.6	1.37
		F	608	3000	330	4	12.4	1.33
		M	595	2850	155	6	5.8	1.35
		F	584	2700	405	4	17.6	1.36
		M	617	3210	160	4	5.2	1.37
		M	674	4180	170	4	4.2	1.37
		M	677	4690	260	-	5.9	1.51
		M	625	3220	198	4	6.6	1.32
		F	607	2850	320	5	12.6	1.27
		M	612	2870	168	4	6.2	1.25
		M	627	3100	50	-	1.6	1.26
		F	681	3740	350	6	10.3	1.18
		F	669	4020	67	5	1.7	1.34
		F	592	2750	255	4	10.2	1.33
		F	636	3420	342	4	11.1	1.33
		F	587	2500	232	4	10.2	1.24
		F	616	2640	221	4	9.1	1.13
		F	652	3230	412	5	14.6	1.17
		M	552	2250	120	4	5.6	1.34
		F	597	2670	219	4	8.9	1.25
		M	571	2520	140	5	5.9	1.35
		F	620	3100	300	5	10.7	1.30
		F	614	3100	325	4	11.7	1.34
		M	685	4590	235	4	5.4	1.43
		F	611	2950	260	6	9.7	1.29
	63-C	M	606	3420	166	-	5.1	1.54
		M	721	5590	230	5	4.3	1.49
		M	681	4200	182	4	4.5	1.33
	72-C	F	638	3280	325	6	11.0	1.26
		M	676	4020	228	5	6.0	1.30
		F	620	2940	280	4	10.5	1.23
	82-C	F	560	2450	221	4	9.9	1.40
		M	708	4450	182	4	4.3	1.25
		M	691	4490	98	5	2.2	1.36
		F	671	3220	440	5	15.8	1.07
	106-C	M	614	3310	160	-	5.1	1.43
		F	600	2910	280	4	10.6	1.35
		F	601	2870	286	4	11.1	1.32
		M	625	3400	154	4	4.7	1.39
		F	634	3660	340	5	10.2	1.44
		F	644	3220	322	5	11.1	1.21
		F	602	3000	268	4	9.8	1.38
		M	674	4420	278	5	6.7	1.44
		F	601	2640	240	4	10.0	1.22
		F	563	2350	272	4	13.1	1.32
		F	620	3240	453	4	16.3	1.36
		F	561	2410	180	4	8.1	1.36
		F	629	3310	351	4	11.9	1.33
	138-C	F	604	2900	268	4	10.2	1.32
		F	655	3730	395	5	11.8	1.33

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	601	3460	135	4	4.1	1.59
		F	610	2990	334	4	12.6	1.32
		M	658	3660	135	5	3.8	1.28
		F	559	2260	182	3	8.8	1.29
		F	592	2800	268	4	10.6	1.35
		F	635	3370	179	5	5.6	1.32
		F	658	3250	111	5	3.5	1.14
		F	637	3300	200	5	6.5	1.28
		F	572	2740	209	4	8.3	1.46
		F	598	2850	348	-	13.9	1.33
		F	625	3600	364	5	11.2	1.47
		M	644	3500	185	4	5.6	1.31
	157-C	M	618	2940	161	4	5.8	1.25
		M	662	3690	176	4	5.0	1.27
		F	684	4500	350	5	8.4	1.41
		M	611	3160	175	4	5.9	1.39
		M	614	3400	172	4	5.3	1.47
		F	580	2900	284	5	10.9	1.49
		M	602	3240	254	5	8.5	1.49
		F	687	4450	220	4	5.2	1.37
		M	679	4580	278	4	6.5	1.46
		F	642	3480	362	4	11.6	1.32
		M	652	3840	230	5	6.4	1.39
		M	632	3050	182	4	6.3	1.21
		F	568	2690	212	4	8.6	1.47
		F	632	3160	232	5	7.9	1.25
		F	654	3540	478	4	15.6	1.27
		F	609	2870	383	4	15.4	1.27
		F	667	4140	200	5	5.1	1.40
		F	576	2680	243	4	10.0	1.40
		F	638	3610	334	5	10.2	1.39
G11	130	F	635	3860	458	6	13.5	1.51
		M	670	3860	245	6	6.8	1.28
		M	591	2820	117	5	4.3	1.37
		M	654	3800	150	4	4.1	1.36
		M	653	4050	210	5	5.5	1.45
		F	602	3130	185	4	6.3	1.43
		M	620	2800	182	-	7.0	1.17
		M	631	3550	151	5	4.4	1.41
		M	645	3970	128	5	3.3	1.48
		F	592	2800	298	5	11.9	1.35
		F	598	3000	319	-	11.9	1.40
		M	637	3230	141	4	4.6	1.25
		F	598	2720	296	4	12.2	1.27
		F	604	3030	305	4	11.2	1.38
		F	608	2830	328	5	13.1	1.26
		F	625	3050	459	5	17.7	1.25
		F	591	2580	250	5	10.7	1.25
		M	625	3140	127	4	4.2	1.29
		F	582	2750	64	4	2.4	1.39
		M	693	4340	182	6	4.4	1.30
		F	606	3100	270	4	9.5	1.39
		F	618	3320	420	4	14.5	1.41
		M	672	4040	207	5	5.4	1.33
		M	642	3720	220	5	6.3	1.41
		F	590	2710	195	5	7.8	1.32
		F	620	3100	324	4	11.7	1.30
		F	626	3290	324	4	10.9	1.34
		F	588	2680	258	5	10.7	1.32
		M	640	3490	190	6	5.8	1.33
		M	642	3940	214	4	5.7	1.49
		F	641	3660	170	5	4.9	1.39
		F	651	3400	250	4	7.9	1.23
		F	620	3110	307	5	11.0	1.30
		F	634	3520	494	-	16.3	1.38
		F	580	2820	275	4	10.8	1.45
		M	645	3740	114	4	3.1	1.39
		F	626	3030	398	6	15.1	1.24
		F	568	2440	278	4	12.9	1.33
		F	622	3500	311	4	9.8	1.45
		F	621	3000	348	4	13.1	1.25
	121	M	644	3820	77	4	2.1	1.43
		F	648	3750	384	5	11.4	1.38
		F	661	3930	204	5	5.5	1.36
		F	608	3300	308	4	10.3	1.47
		F	602	2910	289	4	11.0	1.33
		F	655	3100	398	5	14.7	1.10
		F	657	3910	271	6	7.4	1.38
		F	611	3050	365	-	13.6	1.34
		F	608	3100	330	5	11.9	1.38
		F	604	3820	221	4	6.1	1.73
		F	618	3050	271	4	9.8	1.29
		F	614	2890	226	4	8.5	1.25
		F	572	2700	250	4	10.2	1.44
		F	641	3310	348	5	11.7	1.26
		F	605	2640	244	-	10.2	1.19
		F	562	2400	268	4	12.6	1.35
		F	641	3500	343	4	10.9	1.33
		F	607	3100	359	4	13.1	1.39
		F	600	2460	269	4	12.3	1.14
		F	615	2940	374	4	14.6	1.26
		F	638	3080	267	5	9.5	1.19
		M	608	3120	195	4	6.7	1.39
		F	607	2820	248	4	9.6	1.26
		M	600	3100	64	4	2.1	1.44
		F	610	3900	310	5	8.6	1.72
		F	617	2900	261	4	9.9	1.23
		M	628	3400	152	4	4.7	1.37
		F	568	2280	270	4	13.4	1.24
		F	617	2880	342	4	13.5	1.23
		F	596	2590	435	5	20.2	1.22
		M	731	5000	192	5	4.0	1.28
		M	655	3880	85	5	2.2	1.38
	93-C	F	680	3940	410	4	11.6	1.25
		F	595	2700	250	4	10.2	1.28
	106-C	F	580	2670	231	4	9.5	1.37
		F	615	2900	250	4	9.4	1.25
		F	590	2850	210	4	8.0	1.39
		M	688	4430	285	5	6.9	1.36
		F	636	2940	313	4	11.9	1.14
		F	611	3050	213	4	7.5	1.34
		F	650	3310	337	5	11.3	1.21
		M	636	3720	224	4	6.4	1.45
	121-C	F	647	3580	360	6	11.2	1.32
		M	693	4520	186	5	4.3	1.36
		M	628	3530	148	5	4.4	1.43
		F	560	2360	220	4	10.3	1.34
		F	615	2920	420	4	16.8	1.26
		M	648	3200	13	4	0.4	1.18
	138-C	M	661	3990	219	5	5.8	1.38
		M	640	3720	174	6	4.9	1.42
		M	622	3450	142	5	4.3	1.43
		M	620	3060	180	4	6.2	1.28
	157-C	M	625	3310	154	4	4.9	1.36
		M	650	3520	79	4	2.3	1.28
		M	631	3300	105	5	3.3	1.31
G12		M	653	3580	32	4	0.9	1.29
		F	515	2800	157	3	5.9	2.05
		M	624	3040	135	4	4.6	1.25
		F	629	3560	398	3	12.6	1.43
		M	706	5300	318	6	6.4	1.51
		F	642	2880	156	7	5.7	1.09
		F	577	2700	294	5	12.2	1.41
		F	550	2300	189	4	9.0	1.38
		M	690	4540	273	5	6.4	1.38
		F	661	3460	372	5	12.0	1.20
		F	608	2900	278	4	10.6	1.29
		M	667	3590	162	4	4.7	1.21
	121	M	653	3350	155	5	4.9	1.20
		M	650	3760	159	4	4.4	1.37

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	610	3100	164	4	5.6	1.37
		F	594	2780	219	4	8.6	1.33
		F	648	3630	259	6	7.7	1.33
		M	686	4400	200	4	4.8	1.36
		F	605	3140	260	4	9.0	1.42
		M	659	3880	140	5	3.7	1.36
		M	602	3600	120	4	3.4	1.65
		M	625	3140	164	4	5.5	1.29
		F	642	3330	317	4	10.5	1.26
		M	640	3590	170	4	5.0	1.37
		F	635	3400	450	4	15.3	1.33
		F	592	3880	265	4	7.3	1.87
		M	607	2910	66	4	2.3	1.30
		F	596	2700	103	4	4.0	1.28
		F	590	3320	230	4	7.4	1.62
		F	574	2300	294	4	14.7	1.22
		F	580	2570	205	4	8.7	1.32
		F	640	3460	364	5	11.8	1.32
		F	555	2500	185	-	8.0	1.46
		F	581	2500	214	4	9.4	1.27
		F	600	2980	297	5	11.1	1.38
		F	618	2910	259	4	9.8	1.23
		F	604	2880	314	5	12.2	1.31
		F	630	3350	399	5	13.5	1.34
		F	634	3430	330	5	10.6	1.35
		F	615	3380	350	4	11.6	1.45
		F	570	2280	313	4	15.9	1.23
		F	675	3850	919	5	9.0	1.25
		F	621	2940	254	4	9.5	1.23
		F	640	3180	235	4	8.0	1.21
		M	592	2970	121	4	4.2	1.43
		F	593	2950	290	4	10.9	1.41
		M	696	4200	215	5	5.4	1.25
		M	644	3900	208	5	5.6	1.46
		M	593	3000	123	4	4.3	1.44
		F	620	3500	142	4	4.2	1.47
		F	608	2850	296	4	11.6	1.27
		F	626	3420	352	5	11.5	1.39
		F	543	2260	352	4	18.4	1.41
		F	630	3250	360	5	12.5	1.30
		M	656	4100	173	4	4.4	1.45
		M	620	3350	171	4	5.4	1.41
		M	646	3450	118	5	3.5	1.28
		M	676	4070	173	5	4.4	1.32
		F	608	3260	348	4	12.0	1.45
		F	627	3180	388	4	13.9	1.29
		F	583	3820	289	4	8.2	1.93
		F	578	2000	214	4	12.0	1.04
		F	607	2940	310	4	11.8	1.31
		F	622	3070	416	5	15.7	1.28
		F	591	2750	263	5	10.6	1.33
		M	645	3620	202	4	5.9	1.35
	48-C	M	649	4100	203	4	5.2	1.50
	82-C	F	626	3520	324	4	10.1	1.43
		M	658	3820	153	4	4.2	1.34
		M	640	3350	178	4	5.6	1.28
		M	636	3600	235	5	7.0	1.40
		M	660	4200	190	4	4.7	1.46
		M	688	4840	209	4	4.5	1.49
		M	678	3600	174	5	5.1	1.16
		M	646	3850	197	4	5.4	1.43
		M	678	3600	174	5	5.1	1.16
		M	646	3850	197	4	5.4	1.43
		F	662	3880	165	6	4.4	1.34
	93-C	F	605	2970	250	4	9.2	1.34
		M	631	3320	176	5	5.6	1.32
		M	717	4640	181	5	4.1	1.26
	106-C	M	675	4620	164	5	3.7	1.50
		F	619	3000	294	-	10.9	1.26
		F	614	2760	280	4	11.3	1.19
	121-C	F	598	2900	310	5	12.0	1.36
		M	566	2540	94	3	3.8	1.40
		F	632	3410	370	6	12.2	1.35
		M	622	3510	142	5	4.2	1.46
		F	658	2860	300	4	11.7	1.00
	138-C	F	613	3500	409	4	13.2	1.52
		M	631	3770	220	4	6.2	1.50
		F	618	3000	308	4	11.4	1.27
		M	631	3810	182	5	5.0	1.52
		M	627	3270	194	4	6.3	1.33
G13	130	F	605	2940	342	4	13.2	1.33
		F	619	3200	342	5	12.0	1.35
		F	610	3100	350	4	12.7	1.37
		F	562	2600	274	4	11.8	1.46
		F	527	2000	208	4	11.6	1.37
		F	594	2710	370	5	15.8	1.29
		F	608	3000	294	5	10.9	1.33
		M	644	3700	150	6	4.2	1.39
		F	588	2780	264	4	10.5	1.37
		F	645	3810	408	5	12.0	1.42
		M	615	2920	175	4	6.4	1.26
		M	630	3550	195	4	5.8	1.42
		F	618	3260	290	4	9.8	1.38
		F	606	3200	450	4	16.4	1.44
		M	614	3290	174	4	5.6	1.42
		F	590	2760	305	4	12.4	1.34
		F	634	3300	260	5	8.6	1.29
		F	570	2350	175	4	8.0	1.27
		F	611	3260	338	4	11.6	1.43
		F	589	2750	228	4	9.0	1.35
		F	590	2910	94	3	3.3	1.42
		M	624	3000	100	4	3.4	1.23
	121	F	600	2920	328	4	12.7	1.35
		F	584	2780	235	4	9.2	1.40
		F	584	2530	299	4	13.4	1.27
		F	615	3260	291	4	9.8	1.40
		F	602	3040	249	4	8.9	1.39
		F	634	3400	490	6	16.8	1.33
		F	548	3340	270	3	8.8	2.03
		F	647	3460	257	5	8.0	1.28
		M	652	4130	198	5	5.0	1.49
		F	666	3800	303	5	8.7	1.29
		M	656	3430	48	4	1.4	1.22
		F	587	2710	290	4	12.0	1.34
		F	585	2810	315	4	12.6	1.40
		M	687	4500	310	4	7.4	1.39
		F	644	3560	321	4	9.9	1.33
		M	641	3660	176	4	5.1	1.39
		M	606	3700	166	4	4.7	1.66
		F	631	3720	414	5	12.5	1.48
		F	647	3220	379	5	13.3	1.19
		F	559	2260	228	4	11.2	1.29
		F	614	3130	334	4	11.9	1.35
		M	684	4900	230	5	4.9	1.53
		M	605	3180	179	4	6.0	1.44
		M	555	2100	138	4	7.0	1.23
		M	670	3900	198	5	5.3	1.30
		F	616	3300	356	4	12.1	1.41
		M	642	4300	212	5	5.2	1.63
		M	702	4600	215	6	4.9	1.33
		F	570	2370	222	4	10.3	1.28
		F	668	4080	228	4	5.9	1.37
		M	635	3400	198	6	6.2	1.33
		F	578	2450	284	5	13.1	1.27
		F	643	3510	367	6	11.7	1.32
		F	650	3400	423	6	14.2	1.24
		F	598	3000	301	4	11.2	1.40
		M	598	3140	202	4	6.9	1.47
		M	637	3720	184	4	5.2	1.44
		F	602	3000	314	-	11.7	1.38

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G14	130	M	639	3560	44	4	1.3	1.36
		F	615	3450	354	5	11.4	1.48
		F	578	2830	209	4	8.0	1.47
		M	650	4200	170	6	4.2	1.53
		F	579	2450	68	4	2.9	1.26
		M	657	3650	228	5	6.7	1.29
		F	585	2650	254	4	10.6	1.32
		F	629	3280	376	5	12.9	1.32
		F	620	3150	354	5	12.7	1.32
		F	591	3820	126	4	3.4	1.85
		F	612	3010	274	4	10.0	1.31
		F	586	2740	283	4	11.5	1.36
		M	657	3580	140	5	4.1	1.26
		F	620	2950	357	5	13.8	1.24
		M	627	3040	144	5	5.0	1.23
		M	646	3300	153	4	4.9	1.22
		F	610	2810	295	5	11.7	1.24
		M	640	3420	44	4	1.3	1.30
		F	606	2500	240	4	10.6	1.16
		F	540	2130	154	3	7.8	1.35
	121	M	699	5050	278	5	5.8	1.48
		M	685	4130	216	5	5.5	1.28
		F	596	3050	280	4	10.1	1.44
		F	613	3230	283	4	9.6	1.40
		M	656	4510	357	4	8.6	1.40
		M	627	4810	73	4	1.5	1.70
		F	594	1560	318	4	25.6	0.74
		F	683	2770	250	4	9.9	0.87
		M	674	4320	190	5	4.6	1.41
		F	632	3020	300	5	11.0	1.26
		M	638	3360	159	5	5.0	1.27
		F	663	3830	371	5	10.7	1.31
		F	618	3400	344	4	11.3	1.44
		F	588	2560	251	4	10.9	1.26
		F	623	3120	348	4	12.6	1.29
		M	639	3330	140	4	4.4	1.28
		F	**597**	**2900**	**250**	**4**	**9.4**	**1.36**
		F	**582**	**2680**	**325**	**5**	**13.8**	**1.36**
		F	580	2310	231	4	11.1	1.18
		F	637	3320	440	5	15.3	1.28
		F	590	2470	242	5	10.9	1.20
		M	582	2650	155	4	6.2	1.34
		M	621	3780	195	4	5.4	1.37
		M	625	2840	11	4	0.4	1.16
		M	665	3820	121	5	3.3	1.30
		M	684	2730	115	3	4.4	0.85
		M	566	2530	146	3	6.1	1.40
		F	592	2560	280	4	12.3	1.23
		F	627	3130	280	5	9.8	1.27
		M	678	3830	142	5	3.9	1.23
		F	656	3910	151	4	4.0	1.34
		M	709	4670	220	5	4.9	1.31
		M	638	3460	168	-	5.1	1.33
		F	655	3520	220	5	6.7	1.25
		M	645	3100	158	4	5.4	1.33
		F	595	2620	301	4	13.0	1.24
		F	629	3430	408	4	13.5	1.38
		F	590	2720	242	5	9.8	1.32
		F	636	3260	228	5	7.5	1.27
		F	599	3100	243	4	8.5	1.44
		F	595	2750	245	4	9.8	1.31
		F	607	2680	245	4	10.1	1.20
		M	586	2660	61	4	2.2	1.43
		F	587	2650	221	4	9.1	1.31
		F	638	3340	320	5	10.6	1.29
		F	683	3530	195	5	5.8	1.11
		-	600	3150		4		1.46
		M	625	3640	177	4	5.1	1.49
		F	660	2560	262	4	11.4	0.81
		F	615	2860	235	5	9.0	1.23
		F	672	4080	99	5	2.5	1.34
		F	640	3280	311	5	10.5	1.25
		F	636	3080	373	4	13.8	1.20
		F	626	3050	312	4	11.4	1.24
		F	659	3500	282	5	8.8	1.22
		F	608	3120	297	4	10.5	1.39
		F	602	3180	314	5	11.0	1.46
		F	558	2120	215	4	11.3	1.22
		M	632	3160	21	4	0.7	1.25
		M	616	2960	135	4	4.8	1.27
		M	608	3100	160	4	5.4	1.38
		F	607	3060	143	4	4.9	1.37
		F	609	3240	320	5	11.0	1.43
		F	613	2580	51	4	2.0	1.12
		M	665	3650	173	5	5.0	1.24
		F	555	2130	214	4	11.2	1.25
		M	624	3360	160	-	5.0	1.38
		M	651	3710	195	4	5.5	1.34
		M	620	3440	187	4	5.7	1.44
		F	603	3150	222	-	7.6	1.44
		F	602	2740	248	4	10.0	1.26
		F	535	2040	176	3	9.4	1.33
		F	592	2710	250	4	10.2	1.31
		F	535	1950	118	3	6.4	1.27
		F	591	2710	370	4	15.8	1.31
		F	578	2700	260	4	10.7	1.40
		F	632	2310	350	5	17.9	0.92
		M	640	3630	188	5	5.5	1.38
		F	608	3080	236	5	8.3	1.37
		F	574	2420	165	5	7.3	1.28
		F	617	3240	150	4	4.9	1.38
		F	615	2640	250	5	10.5	1.13
		M	655	3400	133	5	4.1	1.21
		F	652	3520	200	4	6.0	1.27
		M	606	2650	194	4	7.9	1.19
		F	580	2640	350	4	15.3	1.35
		M	607		191	4		
		F	565		300	4		
		F	620		221	4		
		M	685	4740	85	5	1.8	1.47
	48-C	F	592	3040	260	4	9.4	1.47
	63-C	M	614	3260	180	5	5.8	1.41
		F	604	2870	301	4	11.7	1.30
	72-C	M	641	4240	234	4	5.8	1.61
		F	575	2780	219	4	8.6	1.46
		F	617	2750	228	5	9.0	1.17
		F	605	2770	291	5	11.7	1.25
		M	646	3400	112	5	3.4	1.26
		F	609	2830	300	4	11.9	1.25
		F	574	2600	300	4	13.0	1.37
		F	590	2800	300	4	12.0	1.36
		M	630	3210	80	4	2.6	1.28
		M	623	3700	117	4	3.3	1.53
		F	572	2420	231	4	10.6	1.29
		M	608	3300	183	5	5.9	1.47
		F	613	2900	404	-	16.2	1.26
	82-C	F	601	2640	218	4	9.0	1.22
		F	593	2820	284	4	11.2	1.35
		M	647	3450	176	-	5.4	1.27
	93-C	M	630	3700	155	4	4.4	1.48
		F	578	2880	238	4	9.0	1.49
		F	610	2900	315	5	12.2	1.28
		F	624	3240	242	5	8.1	1.33
		F	560	2310	167	3	7.8	1.32
	106-C	M	571	2500	166	4	7.1	1.34
		F	658	3600	388	5	12.1	1.26
		M	638	3560	220	4	6.6	1.37
		F	565	2300	119	5	5.5	1.28
		F	622	3100	385	5	14.2	1.29
		F	574	2660	253	4	10.5	1.41

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	594	2420	129	4	5.6	1.15
		F	597	2880	309	5	12.0	1.35
		F	614	3330	497	4	9.8	1.44
		M	598	2730	129	5	5.0	1.28
		F	530	3210	435	4	15.7	2.10
		F	596	2840	109	5	4.0	1.34
		F	580	1870	139	4	8.0	0.96
		F	576	2820	228	4	8.8	1.48
121-C		M	636	3250	170	5	5.5	1.20
		F	658	3760	144	4	4.0	1.32
		M	660	3830	174	4	4.8	1.33
		M	628	2900	175	4	6.4	1.17
		F	627	3450	300	4	9.5	1.40
		F	647	2920	278	5	10.5	1.31
		F	625	3400	422	5	14.2	1.39
		F	570	3200	299	4	10.3	1.73
		F	666	3300	318	5	10.7	1.48
		F	530	2110	230	4	12.2	1.42
		F	615	3400	338	5	11.0	1.46
		F	615	2600	250	4	10.6	1.12
		F	612	3020	315	4	11.6	1.32
		F	607	3400	249	4	7.9	1.52
		F	612	3000	221	5	8.0	1.31
		M	672	4500	73	4	1.6	1.48
		F	540	2750	258	4	10.4	1.34
		M	690	4600	260	5	6.0	1.40
		F	656	3660	370	5	11.2	1.30
		F	615	3200	270	5	9.2	1.38
		M	665	3100	168	4	5.7	1.40
		M	623	3750	169	4	4.7	1.55
		M	662	3540	154	5	4.5	1.22
		F	614	3120	330	5	11.8	1.35
		F	652	3520	401	5	12.9	1.27
		M	613	3150	150	4	5.0	1.37
		M	648	2960	158	-	5.6	1.32
		M	622	3300	210	4	6.8	1.37
		F	612	3140	420	4	15.4	1.37
		F	556	2320	200	4	9.4	1.39
		F	573	2770	250	4	10.1	1.30
		F	605	3100	435	5	16.3	1.40
138-C		F	615	3050	313	4	11.4	1.34
		F	651	3590	273	4	8.2	1.43
		M	647	3520	125	4	3.7	1.30
		M	621	3630	103	4	2.9	1.52
		M	635	3290	200	4	6.5	1.28
		M	630	3320	191	4	6.1	1.33
		M	620	3240	170	4	5.0	1.49
		M	648	3250	145	4	4.7	1.19
		F	637	3330	296	5	9.8	1.29
		M	612	3320	262	5	8.6	1.45
		F	691	4300		4		1.51
		F	612	2620		-		1.14
		M	704	4850	135	5	2.9	1.39
		F	651	3750	318	5	9.3	1.36
		M	686	4460	260	4	6.2	1.38
		F	570	2540	270	5	11.9	1.37
		M	607	3200	154	4	5.1	1.43
		F	660	2840	385	4	15.7	1.31
		M	629	3620	240	-	7.1	1.45
		F	608	2760	155	4	6.0	1.23
157-C		M	681	4160	246	5	6.3	1.44
		M	609	2910	151	4	5.5	1.29
		M	657	4390	213	4	5.1	1.35
		F	665	3150	330	4	11.7	1.42
		M	675	3950	124	5	3.2	1.28
		F	624	3600	245	4	7.3	1.48
		F	634	3380	246	4	7.8	1.33
		M	62[illegible]	3210	96	5	3.1	1.35
		M	633	3790	223	4	6.3	1.49
		F	633	3270	340	5	11.6	1.29

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	607	3090	170	4	5.8	1.38
		F	629	3300	295	4	9.8	1.33
		F	613	3030	378	4	14.3	1.32
		F	605	2590	422	5	19.5	1.17
		F	580	2800	311	5	12.5	1.44
		F	610	3100	353	5	12.9	1.37
		F	622	3280	420	4	14.7	1.36
		M	687	4110	131	5	3.3	1.27
		F	616	3240	84	4	2.7	1.39
		F	655	3600	340	5	10.4	1.28
G15	130	F	574	2510	329	4	15.1	1.33
		F	630	3220	372	5	13.1	1.29
		F	633	3260	324	4	11.0	1.29
		M	638	3600	142	4	4.1	1.39
		M	606	2940	173	4	6.3	1.32
		F	612	2940	356	5	13.8	1.28
		F	650	3550	340	5	10.6	1.29
		F	597	3780	255	4	7.2	1.78
		M	632	3500	207	4	6.3	1.39
		F	604	2740	260	5	10.5	1.24
		F	585	2620	309	5	13.4	1.31
		F	604	2930	285	4	10.8	1.33
		F	579	2400	214	4	9.8	1.24
		F	652	3800	435	5	12.9	1.37
		F	642	3470	402	5	13.1	1.31
		F	600	2930	224	5	8.3	1.36
		M	626	3630	233	4	6.9	1.48
		F	620	2900	61	4	2.1	1.22
		M	614	3220	224	4	7.5	1.39
		F	649	3390	508	5	17.6	1.24
		F	592	2720	134	4	5.2	1.31
		F	605	2720	175	5	6.9	1.23
		F	640	3450	345	5	11.1	1.32
		F	587	2420	324	4	15.5	1.20
		F	596	3050	340	4	12.5	1.44
		F	553	2110	225	4	11.9	1.25
		F	613	2940	210	4	7.7	1.28
		F	586	2950	293	4	11.0	1.47
121		F	613	3820	243	4	6.8	1.66
		F	596	3900	130	4	3.4	1.84
		F	605	3150	284	4	9.9	1.42
		F	615	3030	290	4	10.6	1.30
		F	576	2300	204	4	9.7	1.20
		F	607	2800	248	5	9.7	1.25
		M	592	2740	85	4	3.2	1.32
		M	640	3520	160	4	4.8	1.34
		F	608	2900	233	5	8.7	1.29
		F	588	2560	252	5	10.9	1.26
		M	614	2740	137	4	5.3	1.18
		F	601	3910	110	4	2.9	1.80
		F	599	2700	262	4	10.7	1.26
		F	617	2920	254	4	9.5	1.24
		M	650	3800	133	5	3.6	1.38
		F	590	3840	250	5	7.0	1.87
		F	657	3900	320	5	8.9	1.38
		F	605	3000	338	4	12.7	1.35
		M	673	4160	318	5	8.3	1.36
		F	638	3210	305	4	10.5	1.24
		F	573	3750	149	4	4.1	1.99
		F	568	2360	195	4	9.0	1.29
		F	647	3640	363	4	11.1	1.34
		M	622	3140	85	4	2.8	1.30
		F	611	3670	314	4	9.4	1.61
		F	613	3770	388	4	11.5	1.64
		F	564	2420	226	4	10.3	1.35
		F	582	2630	207	4	8.5	1.33
		F	609	3020	430	4	16.6	1.34
		F	616	3040	296	4	10.8	1.30
		M	662	3470	103	4	3.1	1.20
		M	631	3210	170	5	5.6	1.28

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	65-C	F	542	2150	135	3	6.7	1.35
	72-C	M	692	4920	48	4	1.0	1.48
	82-C	M	605	3080	75	5	2.5	1.39
		F	561	2400	234	4	10.8	1.36
	93-C	F	617	3210	395	5	14.0	1.37
	106-C	F	587	2810	256	4	10.0	1.39
		F	661	2830	310	5	12.3	1.30
		F	627	3350	349	5	11.6	1.36
		M	634	3450	130	4	3.9	1.32
	121-C	F	590	2700	263	6	10.8	1.31
		F	612	3080	365	-	10.4	1.09
		M	587	2800	154	4	5.8	1.38
		M	602	2780	120	4	4.5	1.27
		F	676	4060	495	5	14.1	1.28
		F	625	3110	308	4	11.0	1.27
		F	589	2420	199	4	9.0	1.18
		F	624	3280	308	5	10.4	1.35
		F	601	3920	365	5	10.3	1.81
		F	624	3290	415	5	14.4	1.35
		F	564	2300	198	4	9.4	1.28
		F	606	2950	308	5	11.7	1.31
		F	673	3240	325	4	11.1	1.06
		F	603	3960	315	4	8.6	1.81
		F	624	2820	42	5	1.5	1.16
		F	604	2820	278	5	11.9	1.19
		M	567	2400	114	4	5.0	1.32
		M	587	2750	148	4	5.7	1.36
		F	632	3040	80	4	2.7	1.20
		M	654	3800	184	5	5.1	1.36
	138-C	F	568	2950	324	4	12.3	1.45
		M	680	3800	215	5	6.0	1.21
		F	606	2740	265	5	10.7	1.23
		F	573	2750	330	-	13.6	1.46
		F	644	3360	242	4	7.8	1.26
	157-C	M	678	4580	275	5	6.4	1.47
		F	672	3820	350	5	10.1	1.26
		F	634	3490	412	6	13.4	1.37
		M	594	3660	130	4	3.7	1.75
		M	666	3780	43	4	1.2	1.17
		M	622	2920	135	5	4.8	1.21
		M	681	4400	370	4	9.2	1.39
		M	623	3550	178	4	5.3	1.47
		M	713	4340	208	5	5.0	1.20
		F	665	3880	409	5	11.8	1.32
		M	712	5300	230	4	4.5	1.47
		M	642	3580	205	5	6.1	1.35
		M	628	3200	206	4	6.9	1.29
		M	637	3220	152	5	5.0	1.25
16	130	M	630	3190	274	5	9.4	1.28
		F	558	2480	199	4	8.7	1.43
		M	647	3710	164	5	4.6	1.37
		M	647	3150	180	5	6.1	1.16
		F	582	2570	275	4	12.0	1.30
		F	577	3870	295	4	8.3	2.01
		M	640	3210	152	5	5.0	1.22
		F	590	2680	267	4	11.1	1.30
		F	604	3900	295	4	8.2	1.77
		F	650	3550	484	5	15.8	1.29
		F	606	3140	352	5	12.6	1.41
		M	603	3200	152	4	5.0	1.46
		F	572	2320	130	4	5.9	1.24
		F	576	2240	205	4	10.1	1.17
		F	614	3420	332	4	10.8	1.48
		F	626	3140	405	4	14.8	1.28
		F	588	2460	238	4	10.7	1.21
		M	621	3040	160	5	5.6	1.27
		M	640	3440	183	4	5.6	1.31
		M	687	3950	200	5	5.3	1.22
		F	628	3260	152	-	4.9	1.32
		M	611	2750	155	4	6.0	1.21
		F	611	3200	325	5	11.3	1.40
		M	616	2400	81	4	3.5	1.03
		M	640	3460	138	4	4.2	1.32
		F	624	3070	234	4	8.3	1.26
		F	610	3030	382	6	14.4	1.33
		M	647	3530	96	4	2.8	1.30
		F	581	2300	395	4	20.7	1.17
		F	622	2960	208	4	7.6	1.23
		M	634	3680	216	5	6.2	1.44
		M	642	3970	294	4	8.0	1.50
		F	615	3000	361	5	13.7	1.29
		M	587	2920	150	4	5.4	1.44
	121	F	640	3400	408	4	13.6	1.30
		M	692	5150	310	4	6.4	1.55
		F	564	2800	114	-	4.2	1.56
		M	649	3800	439	5	13.1	1.39
		F	573	2480	300	5	13.8	1.32
		F	582	2580	255	4	11.0	1.31
		F	609	2940	307	4	11.7	1.30
		M	610	3000	126	4	4.4	1.32
		M	606	2820	25	4	0.9	1.27
		F	601	2730	258	5	10.4	1.26
		F	570	2260	214	4	10.5	1.22
		F	547	2370	170	4	7.7	1.45
		F	607	2730	293	5	12.0	1.22
		M	677	4600	270	5	6.2	1.48
		F	626	3520	384	5	12.2	1.43
		M	650	3570	204	5	6.1	1.30
		M	650	3850	223	4	6.1	1.40
		F	549	2240	189	4	9.2	1.35
		F	640	4040	380	5	10.4	1.54
		F	565	2450	256	5	11.7	1.36
		F	562	2230	238	5	11.9	1.26
		M	647	4580	235	-	5.4	1.69
		M	506	1740	33	3	1.9	1.34
		F	528	2940	125	4	4.4	2.00
		F	579	2660	241	5	10.0	1.37
		M	618	3130	142	5	4.8	1.33
		F	603	2730	260	5	10.5	1.25
		F	590	2780	282	4	11.3	1.35
		F	615	3000	343	4	12.9	1.29
		F	626	2900	298	5	11.5	1.18
		M	667	3400	110	5	3.3	1.15
		F	574	2470	270	4	12.3	1.31
		F	584	2890	230	5	8.6	1.45
		F	573	2800	295	4	11.8	1.49
		M	610	2820	40	5	1.4	1.24
		M	652	3200	143	5	4.7	1.15
		M	634	3810	179	4	4.9	1.50
		M	624	3290	200	4	6.5	1.35
		M	626	3330	142	4	4.5	1.36
		F	648	3540	364	4	11.5	1.30
		F	582	2370	234	4	11.0	1.20
		-	617	3200	283	5	9.7	1.36
		M	605	3480	66	-	1.9	1.57
		F	607	2820	247	5	9.6	1.26
		F	622	3250	389	4	13.6	1.35
		F	630	3280	346	5	11.8	1.31
		F	587	3000	301	4	11.2	1.48
		F	607	2990	318	6	11.9	1.34
		F	574	2850	371	-	15.0	1.51
		F	615	3050	283	5	10.2	1.31
		M	647	3760	180	4	5.0	1.39
		F	590	2620	225	4	9.4	1.28
		M	607	2940	162	4	5.8	1.31
		M	655	4080	218	5	5.6	1.45
		F	613	2840	302	5	11.9	1.23
		F	573	2260	184	3	8.9	1.20
		M	635	3230	215	4	7.1	1.26
		F	575	2430	196	4	8.8	1.28

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	618	2950	342	5	13.1	1.25
		F	578	2540	217	4	9.3	1.32
		F	617	3220	44	4	1.4	1.37
		F	560	2120	345	3	19.4	1.21
		F	624	3140	335	5	11.9	1.29
		M	659	3700	264	5	7.7	1.29
		F	598	2360	408	5	20.9	1.10
		F	577	2660	343	4	14.8	1.38
		F	574	2160	225	4	11.6	1.14
		F	633	3530	281	5	8.6	1.39
		M	601	2740	86	4	3.2	1.26
		M	607	3400	253	5	8.0	1.52
		F	384	2430	213	5	9.6	4.29
		F	640	3350	390	5	13.2	1.28
	63-C	M	683	4500	259	5	6.1	1.41
	82-C	M	642	3780	207	5	5.8	1.43
		M	627	3350	184	5	5.8	1.36
	93-C	M	677	3320	55	5	1.7	1.07
	106-C	M	616	2940	321	4	12.3	1.26
		F	530	2570	147	3	6.1	1.79
		F	591	2720	124	4	4.8	1.32
		M	618	3150	63	4	2.0	1.33
		M	667	3700	162	4	4.6	1.25
		F	567	2360	198	4	9.2	1.29
		F	610	3070	280	5	10.0	1.35
		F	579	2600	212	4	8.9	1.34
		M	597	2500	112	4	4.7	1.17
		M	632	3180	230	-	7.8	1.26
		F	612	3180	377	4	13.4	1.39
		F	612	2920	300	5	11.5	1.27
	138-C	F	607	3140	275	4	9.6	1.40
		F	596	3040	343	5	12.7	1.44
		M	654	3540	154	4	4.5	1.27
		F	644	3400	96	4	2.9	1.27
		M	607	3200	200	4	6.7	1.43
		M	630	3610	190	4	5.6	1.44
		M	588	2610	164	4	6.7	1.28
		F	620	3150	205	4	7.0	1.32
		M	661	3840	218	5	6.0	1.33
		F	586	2630	274	5	11.6	1.31
		M	623	3370	153	5	4.8	1.39
		M	655	3820	78	5	2.1	1.36
		M	613	3280	234	4	7.7	1.42
		M	648	3480	193	5	5.9	1.28
	157-C	M	686	4560	250	5	5.8	1.41
		M	682	4440	307	5	7.4	1.40
		M	616	3250	172	4	5.6	1.39
		M	633	3750	286	4	8.3	1.48
		M	666	3440	214	4	6.6	1.16
		M	590	3150	180	4	6.1	1.53
		F	632	3310	379	5	12.9	1.31
		F	627	3120	426	5	15.8	1.27
		F	611	2780	270	5	10.8	1.22
		F	588	2480	256	4	11.5	1.22
		F	547	3500	321	5	10.1	2.14
		F	589	2680	175	6	7.0	1.31
		F	623	2950	300	5	11.3	1.22
		M	654	3660	104	5	2.9	1.31
		F	592	2560	256	5	11.1	1.23
		F	575	2520	240	4	10.5	1.33
		F	608	2840	172	5	6.4	1.26
		F	637	3800	300	5	8.6	1.47
		F	584	3380	421	5	14.2	1.70
		M	585	2620	155	4	6.3	1.31
		F	635	3150	139	4	4.6	1.23
		M	680	4680	100	4	2.2	1.49
G17	130	M	682	3210	6	5	0.2	1.01
		F	637	3740	405	5	12.1	1.45
		F	570	2370	239	4	11.2	1.28
		M	627	3260	182	5	5.9	1.32

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	577	2520	262	4	11.6	1.31
		F	616	2800	378	4	15.6	1.20
		F	590	2800	247	4	9.7	1.36
		M	685	4320	73	5	1.7	1.34
		M	622	3310	189	-	6.1	1.38
		M	682	4400	341	6	8.4	1.39
		F	595	3980	280	4	7.6	1.89
		M	677	4040	190	5	4.9	1.30
		F	666	3860	374	5	10.7	1.31
		M	696	4430	194	4	4.6	1.31
		M	692	4570	254	4	5.9	1.38
		M	606	3140	148	4	4.9	1.41
		M	638	3500	135	5	4.0	1.35
121		F	599	2360	221	5	10.3	1.10
		M	635	3500	193	5	5.8	1.37
		F	578	2540	244	4	10.6	1.32
		F	577	2720	375	4	16.0	1.42
		M	602	2770	216	4	8.5	1.27
		M	563	2840	150	3	5.6	1.59
		M	620	3040	133	5	4.6	1.28
		M	602	2680	127	5	5.0	1.23
		M	605	2920	192	4	7.0	1.32
		F	604	3040	302	4	11.0	1.38
		M	662	4230	266	5	6.7	1.46
		M	577	2720	141	4	5.5	1.42
		F	590	2710	255	5	10.4	1.32
		F	592	2660	278	4	11.7	1.28
		F	612	2700	280	5	11.6	1.18
		F	576	2220	293	4	15.2	1.16
		F	583	2560	240	4	10.3	1.29
		F	651	4240	158	5	3.9	1.54
		M	599	3200	120	4	3.9	1.49
		F	648	3420	357	5	11.7	1.26
		F	560	2080	248	4	13.5	1.18
		F	662	3600	393	5	12.3	1.24
		M	544	2260	98	3	4.5	1.40
		M	593	2780	115	5	4.3	1.33
		M	637	2920	48	4	1.7	1.13
		F	547	2280	137	4	6.4	1.39
		F	626	3540	119	4	3.5	1.44
		M	646	3710	210	5	6.0	1.38
		F	602	2920	297	4	11.3	1.34
		M	670	3860	217	4	6.0	1.28
		F	650	3630	375	6	11.5	1.32
		F	570	2420	241	5	11.1	1.31
		F	608	3030	334	4	12.4	1.35
		F	601	2740	381	4	16.2	1.26
		F	572	2600	218	4	9.2	1.39
		M	656	3650	25	4	0.7	1.29
		F	555	2380	156	3	7.0	1.39
		M	610	3000	154	4	5.4	1.32
		M	673	3920	261	5	7.1	1.29
		M	616	3160	146	4	4.8	1.35
		F	624	3290	365	4	12.5	1.35
		F	582	2710	258	-	10.5	1.37
		F	576	2720	271	4	11.1	1.42
		F	632	3700	374	4	11.2	1.47
		M	614	2830	17	4	0.6	1.22
		F	599	2700	280	5	11.6	1.26
		F	573	2400	190	4	8.6	1.28
		M	606	3000	180	4	6.4	1.35
		F	587	2900	249	4	9.4	1.43
		M	644	3760	177	4	4.9	1.41
		M	627	3350	204	4	6.5	1.36
		M	610	3060	145	5	5.0	1.35
		F	636	3170	315	4	11.0	1.23
		F	616	3100	248	5	8.7	1.33
		M	627	3610	119	4	3.4	1.46
		M	590	2860	134	4	4.9	1.39
		M	632	3350	220	4	7.0	1.33

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	649	4230	34	4	0.8	1.55
		M	636	3750	209	4	5.9	1.46
		M	566	2320	100	3	4.5	1.28
		M	632	3560	166	4	4.9	1.41
		F	637	3410	422	4	14.1	1.32
		F	622	3240	163	5	5.3	1.35
		M	612	3520	257	4	7.9	1.54
		F	609	3180	262	4	9.0	1.41
		F	609	3120	130	5	4.3	1.38
		M	623	3210	61	4	1.9	1.33
		F	550	2110	212	4	11.2	1.27
		F	627	3250	410	6	14.4	1.32
		M	642	3740	23	4	0.6	1.41
		M	616	3150	80	4	2.6	1.35
		F	597	3120	141	4	4.7	1.47
		M	613	3130	230	5	7.9	1.36
		M	630	3240	187	4	6.1	1.30
		F	592	2710	245	4	9.9	1.31
		M	636	3320	200	4	6.4	1.29
	115	M	640	3750	126	-	3.5	1.43
		F	584	2460	238	4	10.7	1.24
		F	563	2150	189	4	9.6	1.20
		F	590	2420	276	4	12.9	1.18
		F	635	3820	487	4	14.6	1.49
		M	659	3960	250	5	6.7	1.38
		F	568	2320	288	4	14.2	1.14
		F	612	2900	107	6	3.8	1.27
		F	582	2420	174	4	7.7	1.23
	63-C	M	672	3800	181	5	5.0	1.25
	106-C	F	589	2600	268	4	11.5	1.27
		F	562	2300	240	4	11.7	1.30
	121-C	F	610	3150	313	4	11.0	1.39
		F	622	2960	391	5	15.2	1.23
		F	565	2520	243	5	10.7	1.40
	138-C	F	683	4410	370	6	9.2	1.38
		F	595	3050	294	5	10.7	1.45
		M	597	2800	69	4	2.5	1.32
		M	582	2900	66	4	2.3	1.47
	157-C	M	663	3920	194	5	5.2	1.35
		M	610	2890	127	4	4.6	1.27
18	130	M	656	3970	99	4	2.6	1.41
		F	594	2760	330	4	13.6	1.32
		M	636	3350	135	4	4.2	1.30
		F	623	3250	143	4	4.6	1.34
		F	609	2980	162	5	5.7	1.32
		F	633	3830	382	6	11.1	1.51
		F	612	3410	352	4	11.5	1.49
		F	577	2780	329	4	13.4	1.45
		M	652	3300	180	4	5.8	1.19
		F	575	2450	230	4	10.4	1.29
		F	619	2960	326	4	12.4	1.25
		F	580	2680	298	4	12.5	1.37
		F	600	3110	260	4	9.1	1.44
		M	610	3080	200	4	5.7	1.62
		F	650	3770	385	-	11.4	1.37
		F	574	2360	260	4	12.4	1.25
		F	664	3600	422	5	13.3	1.23
		M	622	3510	175	4	5.2	1.46
		F	622	3050	432	4	16.5	1.27
		M	613	2840	153	4	5.7	1.23
		F	593	2800	120	4	4.5	1.34
		F	610	2940	286	4	10.8	1.30
		M	654	3680	192	5	5.5	1.32
		F	632	3410	530	5	18.4	1.35
		F	630	3080	307	5	11.1	1.23
		F	617	3400	282	4	9.0	1.45
		M	688	4250	179	5	4.4	1.31
		M	595	2850	175	4	6.5	1.35
		M	635	3400	169	5	5.2	1.33
	121	F	611	3200	251	4	8.5	1.40
		F	633	3290	434	5	15.2	1.30
		F	606	3000	353	4	13.3	1.35
		M	682	4400	264	5	6.4	1.39
		F	628	3550	364	4	11.4	1.43
		F	650	3570	431	5	13.7	1.30
		F	634	3620	343	4	10.5	1.42
		F	597	3040	322	5	11.8	1.43
		F	590	2650	244	4	10.1	1.29
		M	646	3600	122	5	3.5	1.34
		F	620	2940	312	5	11.9	1.23
		M	644	3780	83	4	2.2	1.42
		M	630	3640	183	4	5.3	1.46
		F	639	3700	195	5	5.6	1.42
		F	503	2910	233	4	8.7	2.29
		F	603	2860	280	5	10.9	1.30
		F	593	3040	380	5	14.3	1.46
		M	664	3860	225	6	6.2	1.32
		M	662	4080	177	4	4.5	1.41
		F	511	2500	227	4	10.0	1.87
		M	630	3420	159	5	4.9	1.37
		M	651	3830	184	5	5.0	1.39
		M	647	3030	46	5	1.5	1.12
		M	607	3010	118	5	4.1	1.35
		F	614	2950	276	4	10.3	1.27
		M	668	4130	213	5	5.4	1.39
		F	592	2900	283	5	10.8	1.40
		F	648	3900	473	5	13.8	1.43
		M	620	2920	150	4	5.4	1.23
		F	591	2660	307	4	13.0	1.29
		F	590	2750	314	4	12.9	1.34
		M	635	4060	238	-	6.2	1.59
		M	687	4640	317	5	7.3	1.43
		F	609	2540	256	5	11.2	1.12
		M	656	4130	230	4	5.9	1.46
		F	587	2780	307	4	12.4	1.37
		M	674	4020	192	5	5.0	1.31
		F	625	2850	427	4	17.6	1.17
		F	614	3090	317	4	11.4	1.33
		F	586	2800	402	4	16.8	1.39
		F	590	2660	272	4	11.4	1.30
		F	638	3600	254	4	7.6	1.39
		M	660	3720	20	5	0.5	1.29
		F	583	3000	315	6	11.7	1.51
		F	618	3130	222	4	7.6	1.33
		F	594	2810	322	4	12.9	1.34
		F	652	3780	382	-	11.2	1.36
		F	612	3400	161	5	5.0	1.48
		F	630	3360	331	4	10.9	1.34
		F	604	2830	380	4	15.5	1.28
		F	604	2770	305	4	12.4	1.26
		F	606	2950	275	5	10.3	1.33
		F	580	2660	247	5	10.2	1.36
		F	595	2620	278	5	11.9	1.24
		F	597	2780	282	4	11.3	1.31
		F	555	2380	136	4	6.1	1.39
		F	613	3000	306	6	11.4	1.30
		F	551	2030	296	4	17.1	1.21
		F	585	2700	302	4	12.6	1.35
		F	576	2710	302	4	12.5	1.42
		F	580	2470	220	4	9.8	1.27
		F	626	3100	390	5	14.4	1.26
		M	616	3470	167	4	5.1	1.48
		F	570	2410	282	4	13.3	1.30
		M	702	4430	259	5	6.2	1.28
		F	602	2530	317	5	14.3	1.16
		F	600	2450	235	5	10.6	1.13
		M	561	2370	112	3	5.0	1.34
		M	624	3460	227	4	7.0	1.42
	93-C	F	595	3080	238	4	8.4	1.46
		M	593	2650	1	4	0.0	1.27

O.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	622	3500	158	4	4.7	1.45
		F	625	3100	378	4	13.9	1.27
M19	130	M	623	3540	224	4	6.8	1.46
		F	642	3270	96	6	3.0	1.24
		M	606	4580	289	4	6.7	1.42
		F	578	2710	289	4	11.9	1.40
		M	622	3480	174	4	5.3	1.45
		M	698	4740	219	-	4.8	1.39
		F	610	3120	294	4	10.4	1.37
		F	610	3040	387	4	14.6	1.34
		M	608	3320	195	4	6.2	1.46
		F	612	3050	365	5	13.6	1.33
		M	647	3740	210	4	5.9	1.40
		F	602	2860	254	4	9.7	1.31
		M	657	3260	189	5	6.2	1.15
		F	583	2250	273	-	13.8	1.14
		F	600	2640	295	5	12.6	1.22
		F	598	2900	332	4	12.9	1.36
		M	617	2780	134	4	5.1	1.18
		F	601	2810	307	4	12.3	1.29
		F	585	2530	372	4	17.2	1.26
		M	612	2780	134	4	5.1	1.21
		F	637	3150	493	4	18.6	1.22
		M	637	3280	194	4	6.3	1.27
		F	614	2980	232	4	8.4	1.29
		M	681	4290	294	4	7.4	1.36
		F	592	2530	337	4	15.4	1.22
		M	631	3240	154	5	5.0	1.29
		M	647	3800	194	4	5.4	1.40
		M	642	3380	158	4	4.9	1.28
		F	585	2920	190	4	8.2	1.26
		F	601	2640	254	-	10.6	1.22
		F	603	2830	326	4	13.0	1.29
		F	606	3000	261	4	9.5	1.35
		F	583	2800	320	4	14.0	1.31
		F	596	2590	289	4	12.6	1.22
		M	642	3460	180	4	5.5	1.31
		F	590	2560	204	4	8.7	1.25
		M	609	3100	140	4	4.7	1.37
		M	652	3440	180	5	5.5	1.24
		M	611	3110	145	5	4.9	1.36
		M	659	4550	288	4	6.8	1.59
		F	600	2860	304	4	11.9	1.32
		M	639	4020	257	5	6.8	1.40
		F	613	3320	334	4	11.2	1.44
		M	712	4420	200	4	4.7	1.22
		M	660	4110	274	5	7.1	1.43
		F	612	3040	239	4	8.5	1.33
		F	615	2960	308	4	11.6	1.27
		F	688	4220	520	5	14.1	1.30
	121	F	612	2910	450	5	18.3	1.27
		F	622	3100	318	4	11.4	1.29
		F	636	3420	365	4	11.9	1.33
		F	638	2870	284	5	11.0	1.11
		F	668	2930	324	4	12.4	1.30
		M	690	4740	331	5	7.5	1.44
		M	613	3320	290	4	9.6	1.44
		M	704	5060	279	5	5.9	1.45
		F	615	2800	287	5	12.4	1.12
		F	641	3600	410	4	12.9	1.37
		F	608	2970	135	5	4.8	1.32
		F	590	2820	290	4	11.5	1.37
		F	587	2880	274	4	10.5	1.42
		F	622	3290	378	5	13.0	1.37
		F	617	3210	420	-	15.1	1.37
		F	597	2550	250	4	10.9	1.20
		F	615	3120	340	4	12.2	1.34
		F	610	3720	396	4	11.9	1.64
		M	675	4800	269	4	5.9	1.56
		F	630	2640	354	4	14.2	1.31

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	617	3250	359	4	12.4	1.38
		F	605	3000	484	4	19.2	1.35
		F	610	3070	379	4	14.1	1.35
		F	596	2830	295	4	11.6	1.34
		F	601	2760	404	4	17.1	1.27
		F	641	3820	340	4	9.8	1.45
		F	618	3240	494	5	18.0	1.37
		F	579	2680	284	4	11.9	1.38
		F	601	2600	344	5	15.2	1.20
		F	617	2820	398	4	16.4	1.20
		F	661	4200	438	5	11.6	1.45
		F	652	3780	478	5	14.5	1.36
		F	615	3040	349	4	13.0	1.31
		F	686	2900	309	4	11.9	0.90
		F	607	3080	414	4	15.5	1.38
		F	605	2950	279	4	10.4	1.33
		M	660	4040	250	5	6.6	1.41
		F	593	2750	280	4	11.3	1.32
		F	595	3080	398	5	14.8	1.46
		F	627	3380	308	4	10.0	1.37
		F	642	3160	364	5	13.0	1.19
		F	616	3140	344	4	12.3	1.34
		F	613	3330	208	4	6.7	1.45
		F	617	2960	308	4	11.6	1.26
		F	623	2940	318	4	12.1	1.22
		F	598	3040	354	4	13.2	1.42
		F	593	2960	284	5	10.6	1.42
		F	636	3200	269	4	9.2	1.24
		F	628	2700	368	-	15.8	1.09
		M	635	3140	120	5	4.0	1.23
		M	660	3250	240	4	8.0	1.13
	115	F	601	2640	370	5	16.3	1.22
		M	658	4100	241	5	6.2	1.44
	72-C	M	587	2720	154	-	6.0	1.34
		F	594	2550	304	4	13.5	1.22
		F	618	3140	385	4	14.0	1.33
	82-C	F	634	3400	389	4	12.9	1.33
	93-C	F	660	3860	295	4	8.3	1.34
		F	590	2520	193	4	8.3	1.23
	121-C	M	594	3020	177	4	6.2	1.44
		F	635	3260	400	6	14.0	1.27
		F	626	3100	180	4	6.2	1.26
	138-C	M	615	3050	299	5	10.9	1.31
		F	626	3150	294	5	10.3	1.28
		M	665	3810	214	6	6.0	1.30
		F	602	3400	174	5	5.4	1.56
		F	572	2490	273	4	12.3	1.33
		M	643	4170	225	5	5.7	1.57
		F	650	3860	166	6	4.5	1.41
		F	608	3270	320	4	10.8	1.45
		M	654	3660	194	4	5.6	1.31
	157-C	M	683	4180	214	4	5.4	1.31
		F	616	3250	430	4	15.2	1.39
		M	688	4380	180	5	4.3	1.34
		M	686	4180	210	4	5.3	1.29
		M	631	3700	197	4	5.6	1.47
		M	592	3040	149	5	5.2	1.47
		F	638	3280	392	4	13.6	1.26
G20	130	F	607	3120	331	4	11.9	1.40
		F	606	2720	220	5	8.8	1.22
		M	612	3300	158	5	5.0	1.44
		F	579	2320	227	5	10.8	1.20
		F	619	3140	328	4	11.7	1.32
		F	648	3750	346	5	10.2	1.38
		F	645	3330	460	4	16.0	1.24
		M	618	2860	139	-	5.1	1.21
		F	617	2860	473	4	19.8	1.22
		M	595	2910	160	4	5.8	1.38
		F	626	3240	339	4	11.7	1.32
		M	625	3440	209	4	6.5	1.41

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	630	3250	294	5	9.9	1.30
		F	585	2540	120	4	5.0	1.27
		M	662	3360	150	4	4.7	1.54
		M	638	3840	215	4	5.9	1.48
		M	635	3610	225	4	6.6	1.41
		F	574	2540	296	4	13.2	1.34
		F	592	2750	298	4	12.2	1.33
		F	624	3260	358	5	12.3	1.34
		F	599	2920	348	4	13.5	1.36
		F	632	3440	356	5	11.5	1.36
		F	591	2830	291	4	11.5	1.37
		F	613	3300	358	4	12.2	1.43
		M	677	4600	140	4	3.1	1.48
		M	695	5050	201	5	4.1	1.50
		F	619	3280	318	5	10.7	1.38
		F	604	2920	334	4	12.9	1.33
		F	584	2530	144	4	6.0	1.27
		F	622	3260	369	5	13.0	1.33
	121	M	614	3520	258	4	7.9	1.52
	72-C	M	695	4640	244	5	5.6	1.38
		F	605	3110	354	5	12.8	1.40
		F	636	3220	350	4	12.2	1.45
		F	592	2900	350	4	13.7	1.40
		M	617	3550	260	4	7.9	1.51
		F	645	3640	474	4	15.0	1.36
		F	604	3070	349	4	12.8	1.39
		F	655	3460	439	4	14.5	1.23
		F	594	2850	297	4	11.6	1.36
		M	637	3550	184	4	5.8	1.30
		F	590	2530	309	4	13.9	1.23
		M	642	3660	221	4	6.4	1.38
		M	668	4250	240	4	6.0	1.43
		M	657	4130	240	6	6.2	1.46
		F	583	2680	264	4	10.9	1.35
		F	585	2740	248	4	10.0	1.37
		F	586	2730	252	4	10.2	1.36
		M	652	3910	265	-	7.3	1.41
		M	686	4630	192	4	4.3	1.43
		M	674	4360	278	4	6.8	1.42
		F	646	3950	358	5	10.0	1.47
		M	695	4370	340	4	8.4	1.30
		M	657	4200	239	4	6.0	1.48
		F	600	2830	316	5	12.6	1.31
		F	639	3730	418	5	12.6	1.43
		F	600	3180	309	4	10.8	1.47
		F	591	2680	339	-	14.5	1.30
		F	622	3070	410	4	15.4	1.28
		F	596	3410	394	5	13.1	1.61
		F	602	3030	279	5	10.3	1.38
		M	650	4060	284	4	7.5	1.48
		M	607	2710	158	5	6.2	1.21
		F	609	2940	274	4	10.3	1.30
		F	615	3430	404	4	13.4	1.47
		F	612	3110	305	-	10.9	1.36
		M	642	3520	230	4	7.0	1.33
		F	610	3130	325	4	11.6	1.38
		F	648	3540	424	5	13.6	1.33
		F	615	3590	370	4	11.5	1.54
		M	722	5200	289	5	5.9	1.38
		M	609	3040	175	4	6.1	1.35
		M	678	4020	186	4	4.9	1.29
		M	648	3560	170	5	5.0	1.31
		M	668	3980	274	5	7.4	1.34
		F	608	3320	308	4	10.2	1.48
		F	612	3130	344	5	12.3	1.37
		F	616	2970	369	5	14.2	1.27
		F	630	3100	496	5	19.0	1.24
		F	597	2370	336	5	16.5	1.11
		M	636	3430	207	4	6.4	1.33
		F	679	3960	392	5	11.0	1.26
		F	598	2620	302	4	13.0	1.23
		F	579	2780	342	4	14.0	1.43
		F	629	3190	298	4	10.3	1.28
		F	615	2820	330	4	13.3	1.21
		M	608	2830	124	5	4.6	1.26
		F	617	3040	319	4	11.7	1.29
		F	643	3410	369	5	12.1	1.28
		F	610	3220	268	4	9.1	1.42
		F	572	2700	299	-	12.5	1.44
	106-C	F	643	3850	213	5	5.9	1.45
		F	612	2740	295	5	12.1	1.20
		F	614	3350	289	4	9.4	1.45
		F	599	2760	421	5	18.0	1.28
		F	610	2810	311	4	12.4	1.24
		F	635	3220	280	5	9.5	1.26
		M	620	3620	230	4	6.8	1.52
		F	618	3160	370	4	13.3	1.34
		M	654	3760	160	5	4.4	1.34
	121-C	F	576	2420	252	4	11.6	1.27
		F	604	3050	347	4	12.8	1.38
		F	598	2850	276	4	10.7	1.33
		F	640	3590	415	4	13.1	1.37
		F	594	3060	347	5	12.8	1.46
		M	660	3650	191	5	5.5	1.27
		F	600	2940	314	4	12.0	1.36
		M	648	3890	179	4	4.8	1.43
		F	616	3130	353	5	12.7	1.34
		F	559	2040	225	4	12.4	1.17
		F	634	3520	440	4	14.3	1.38
		F	613	2860	317	6	12.5	1.24
		F	618	3640	346	4	10.5	1.54
		F	630	3400	394	5	13.1	1.36
	138-C	F	634	3430	402	4	13.3	1.35
		M	667	3920	132	4	3.5	1.32
		M	622	3760	191	4	5.4	1.56
		M	601	2880	176	6	6.5	1.33
		F	628	3290	430	4	15.0	1.33
		M	644	3610	187	4	5.5	1.35
		F	594	2780	141	4	5.3	1.33
		M	538	3700	194	4	5.5	2.38
		F	652	2260	208	5	10.1	0.82
		F	644	3520	419	5	13.5	1.32
		F	584	3620	433	4	13.6	1.82
		F	582	2300	366	4	18.9	1.17
	157-C	M	679	4220	274	4	6.9	1.35
		M	650	3800	120	5	3.3	1.38
		M	624	2920	144	4	5.2	1.20
		M	669	3760	108	5	3.0	1.26
		M	636	3420	177	4	5.5	1.33
		M	647	3460	7	4	0.2	1.28
		M	683	4650	330	4	7.6	1.46
		M	588	2660	165	4	6.6	1.31
		M	636	3740	190	-	5.4	1.45
		M	653	3750	80	5	2.2	1.35
		M	654	3500	247	4	7.6	1.25
		F	543	2170	258	4	13.5	1.36
		F	684	3060	313	4	11.4	0.96
		M	639	3260	207	5	6.8	1.25
		M	624	2990	120	-	4.2	1.23
	G21 121	F	583	2620	240	4	10.1	1.32
		F	567	2330	236	4	11.3	1.28
		M	586	2720	140	4	5.4	1.35
		F	600	2820	335	4	13.5	1.31
		M	582	2500	140	4	5.9	1.27
		F	594	2760	310	4	12.7	1.32
		M	663	4020	176	6	4.6	1.38
		F	657	3810	333	5	9.6	1.34
		F	617	2750	385	4	16.3	1.17
		F	572	2630	248	4	10.4	1.41
		F	563	2490	260	4	11.7	1.40

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G21	121	M	613	3210	184	4	6.1	1.39
		F	623	3230	404	4	14.3	1.34
		F	584	2820	336	4	13.5	1.42
		M	755	5500	290	5	5.6	1.28
		F	610	3120	318	-	11.3	1.37
		F	622	3160	367	5	13.1	1.31
		F	615	3060	262	4	9.4	1.32
		M	561	1980	156	4	8.6	1.12
		F	596	2870	320	4	12.5	1.36
		F	668	3780	417	5	12.4	1.27
		F	567	2660	247	4	10.2	1.46
		F	581	2780	230	4	9.0	1.42
		F	628	3150	365	4	13.1	1.27
		F	650	3470	378	4	12.2	1.26
		F	593	2770	300	5	12.1	1.33
		F	587	2640	334	4	14.5	1.31
		F	607	2940	310	4	11.8	1.31
		F	636	3630	379	5	11.7	1.41
		F	586	2780	242	4	9.5	1.38
		F	607	2960	394	5	15.4	1.32
		F	611	3440	417	4	13.8	1.51
		M	673	4150	198	4	5.0	1.36
		F	591	2670	313	5	13.3	1.29
		F	598	2800	394	4	16.4	1.31
		F	616	3040	320	4	11.8	1.30
		F	597	2940	254	4	9.5	1.38
		F	600	2800	330	4	13.4	1.30
		F	583	2540	348	4	15.9	1.25
		F	582	3160	262	4	9.0	1.60
		F	632	3580	356	6	11.0	1.42
		M	624	4050	212	4	5.5	1.67
		F	642	3840	399	5	11.6	1.45
		F	617	3260	298	4	10.1	1.39
		F	592	2680	235	4	9.6	1.29
		F	604	2860	335	4	13.3	1.30
		F	616	2930	374	4	14.4	1.27
		F	576	2510	284	5	12.8	1.31
		F	620	2930	336	5	13.0	1.23
		F	622	3150	374	4	13.5	1.31
		F	640	3250	424	5	15.0	1.24
		F	646	3440	337	5	10.9	1.28
		F	669	3400	465	5	15.8	1.14
		F	639	3560	378	5	11.9	1.36
		F	636	3220	414	5	14.8	1.25
		F	631	3420	405	4	13.4	1.36
		F	607	3340	301	4	9.9	1.49
		F	602	3040	398	5	15.1	1.39
		M	597	3220	308	4	10.6	1.51
		F	603	2640	355	5	15.5	1.20
	106-C	M	705	5400	269	4	5.2	1.54
		F	605	3040	384	4	14.5	1.37
		F	617	2750	435	4	18.8	1.17
		F	620	2850	325	4	12.9	1.20
		M	702	4620	177	5	4.0	1.34
		F	614	3930	380	4	10.7	1.70
		F	625	3160	318	4	11.2	1.29
		F	618	2800	312	4	12.5	1.19
		M	638	3600	169	5	4.9	1.39
		F	596	2560	330	4	14.8	1.21
		M	613	3000	154	5	5.4	1.30
		F	602	2940	284	4	10.7	1.35
		M	617	3140	144	4	4.9	1.34
	121-C	F	556	2500	279	4	12.6	1.45
		F	575	2830	244	4	10.2	1.38
		F	635	3200	423	6	15.2	1.25
		F	597	2700	342	4	14.5	1.27
		F	605	2830	242	4	9.4	1.28
		F	615	3090	354	4	12.9	1.33
		F	604	3930	270	5	7.4	1.78
		F	613	3100	329	6	11.9	1.35

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	609	3960	335	5	9.2	1.75
		F	608	3050	314	4	11.5	1.36
	138-C	F	662	4400	380	5	9.5	1.52
		F	562	2360	203	4	9.4	1.33
		F	642	3500	442	-	14.5	1.32
		F	604	3070	289	4	10.4	1.39
		F	603	2820	375	5	15.3	1.29
		M	558	2150	135	4	6.7	1.24
		F	592	2850	325	4	12.9	1.37
		F	583	2750	265	4	10.7	1.39
		M	616	3180	174	4	5.8	1.36
		F	620	3250	340	5	11.7	1.36
		F	641	3330	490	6	17.3	1.26
	157-C	M	608	3130	227	-	7.8	1.39
		M	647	3550	212	5	6.4	1.31
		F	602	2750	350	4	14.6	1.26
		M	633	3220	190	4	6.3	1.27
		M	687	4300	200	4	4.9	1.33
		M	718	4630	277	5	6.4	1.25
		M	668	4040	198	5	5.2	1.36
		F	622	2840	374	5	15.2	1.18
		M	670	4070	227	4	5.9	1.35
		M	647	3750	177	4	5.0	1.38
G22	130	M	649	3890	242	5	6.6	1.42
		F	589	2550	238	5	10.3	1.25
		F	634	3260	431	5	15.2	1.28
		F	572	2420	282	4	13.2	1.29
		F	641	3940	438	4	12.5	1.50
		F	641	3540	502	4	16.5	1.34
		M	670	4040	262	4	6.9	1.34
		M	609	3260	169	4	5.5	1.44
		F	612	2950	274	4	10.2	1.29
		M	634	3770	142	4	3.9	1.48
		M	664	4280	235	6	5.8	1.46
		F	536	2090	200	4	10.6	1.36
		F	593	2940	344	5	13.3	1.41
		F	589	2790	280	4	11.2	1.37
		F	594	2600	241	4	10.2	1.24
		F	638	3310	283	5	9.3	1.27
		F	631	3600	316	4	9.6	1.43
		M	594	2940	208	4	7.6	1.40
		M	655	3560	189	5	5.6	1.27
		F	600	2760	300	4	12.2	1.28
		F	619	3060	372	5	13.8	1.29
		M	629	3740	268	4	7.7	1.50
		M	642	3630	181	5	5.2	1.37
		M	676	4300	153	4	3.7	1.39
		F	642	3640	390	-	12.0	1.38
		F	616	3080	400	5	14.9	1.32
		F	576	2580	362	4	16.3	1.35
		F	622	3400	400	5	13.3	1.41
		M	610	2620	136	4	5.5	1.15
		F	667	4000	250	5	6.7	1.35
		M	657	3890	213	4	5.8	1.37
		M	648	3290	15	4	0.5	1.21
		F	610	2900	334	5	13.0	1.28
		F	600	2880	299	4	11.6	1.33
		F	622	3110	299	4	10.6	1.29
		F	642	3400	382	5	12.7	1.28
		F	612	3000	344	4	13.0	1.31
	121	F	604	2890	382	4	15.2	1.31
		F	660	3620	394	5	12.2	1.26
		F	611	2700	297	4	12.4	1.18
		F	657	3800	575	5	17.8	1.34
		F	634	3320	528	6	18.9	1.30
		F	637	3400	458	4	15.6	1.32
		F	623	3320	325	4	10.9	1.37
		F	627	3220	394	4	13.9	1.31
		F	618	3570	336	4	10.4	1.51
		F	615	3080	353	5	12.9	1.32

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	572	2450	281	4	13.0	1.31
		F	598	2940	310	4	11.8	1.37
		M	617	3260	173	4	5.7	1.36
		F	606	3270	380	4	17.4	1.15
		F	636	3450	330	4	12.1	1.19
		F	646	3420	341	5	11.4	1.23
		F	594	2830	295	4	12.6	1.25
		F	586	2950	391	5	16.1	1.25
		F	608	2750	263	4	10.6	1.22
		F	608	2920	348	4	13.5	1.30
		M	622	3340	195	4	6.2	1.39
		F	606	2900	285	4	11.3	1.26
		M	616	3020	155	4	5.4	1.30
		M	610	3240	192	5	6.2	1.45
		F	630	3450	392	4	12.8	1.38
		F	576	2650	296	4	13.7	1.32
		F	631	3200	288	4	9.9	1.27
		F	582	2740	107	3	4.1	1.39
		F	585	2700	291	4	12.1	1.35
		F	610	3420	246	4	7.8	1.51
		F	614	3300	325	4	10.7	1.42
		M	636	3710	238	4	6.9	1.44
		F	564	2660	280	4	12.7	1.38
		F	601	3140	356	4	12.8	1.45
		F	607	3167	273	4	9.6	1.40
		F	548	2220	173	4	8.5	1.35
		F	580	2900	269	-	11.3	1.51
		F	615	3170	364	4	13.3	1.33
	42-C	M	665	4150	202	5	5.2	1.38
		M	615	3300	210	-	6.7	1.44
	93-C	F	642	3360	199	5	6.2	1.34
	106-C	F	623	3120	304	4	10.8	1.29
		F	561	2940	256	4	10.7	1.50
		F	544	2380	229	3	10.7	1.50
		F	616	3140	325	4	11.5	1.34
		M	664	3420	124	4	3.8	1.24
		F	570	2960	254	4	11.4	1.34
	121-C	M	594	2970	160	4	6.0	1.37
		F	636	3240	416	5	14.5	1.28
		M	602	4410	190	4	4.5	1.35
		F	587	2830	300	4	13.5	1.25
		F	607	3110	471	-	11.2	1.21
		F	585	2870	222	4	10.3	1.31
		F	627	2960	460	5	14.3	1.21
	138-C	F	635	3450	487	5	16.4	1.35
		F	615	3330	350	5	11.7	1.43
		F	622	3400	389	4	12.9	1.41
		M	672	4300	326	4	8.2	1.42
		F	543	2690	250	5	10.2	1.29
		F	604	3040	335	4	12.4	1.38
		M	650	3600	154	-	4.5	1.31
		F	608	3220	378	4	13.3	1.45
		M	614	3700	167	5	5.7	1.34
		M	585	3300	105	4	3.3	1.65
		F	626	3130	378	4	13.7	1.28
		F	605	2900	230	4	8.7	1.26
		M	695	4250	298	6	7.5	1.27
		M	632	3460	154	4	4.7	1.37
		F	608	3207	280	4	9.4	1.42
		M	609	3250	145	4	4.7	1.44
		M	652	4130	156	4	3.9	1.49
		F	615	3120	362	4	13.1	1.34
		F	564	2250	340	4	17.7	1.26
		M	595	2920	153	4	5.5	1.39
		M	654	3640	117	5	3.3	1.30
		F	612	3000	348	5	15.3	1.31
		M	660	4150	210	5	5.3	1.44
		F	655	3670	398	5	12.2	1.31
		M	614	3580	127	4	4.6	1.24
	157-C	M	658	4040	220	5	5.8	1.42
		M	667	4230	207	5	5.1	1.43
		M	660	4040	223	5	5.8	1.41
		M	620	3090	157	4	5.4	1.30
		M	652	3830	236	5	6.6	1.38
		F	615	3030	346	5	12.9	1.30
		F	596	2820	310	4	12.4	1.33
		M	675	4230	298	5	7.6	1.38
		M	609	2620	104	4	4.1	1.16
		F	609	2740	330	4	13.7	1.21
G23	121	M	568	2140	1	4	0.0	1.17
		M	554	2200	3	3	0.1	1.29
		M	542	1910	1	4	0.1	1.20
		F	525	1720	10	3	0.6	1.19
		M	586	2520	9	4	0.4	1.25
		F	507	1520	9	4	0.6	1.17
		F	503	1830	12	4	0.7	1.44
		F	544	2250	16	4	0.7	1.40
		M	633	3420	125	4	3.8	1.35
		F	662	3470	62	4	1.8	1.20
		F	567	2640	72	3	2.8	1.45
		F	546	2150	195	3	10.0	1.32
		M	522	1790	2	4	0.1	1.26
		F	640	3640	54	4	1.5	1.39
		M	587	2750	55	3	2.0	1.36
		M	538	1600	3	3	0.2	1.03
		M	583	1370	1	3	0.1	0.69
		M	595	2770	10	4	0.4	1.32
		M	523	1800	2	3	0.1	1.26
		F	460	1290	5	3	0.4	1.33
		F	616	3050	235	4	8.3	1.30
G25	130	M	605	2700	9	4	0.3	1.22
		F	595	2940	199	5	7.3	1.40
		M	512	1680	2	3	0.1	1.25
		M	551	2200	6	3	0.3	1.32
		F	472	1160	9	-	0.8	1.10
	121	F	526	1800	2	3	0.1	1.24
		F	658	3500	72	4	2.1	1.23
		F	585	1560	19	-	1.2	0.78
		M	569	2140	6	4	0.3	1.16
		F	463	1300	3	3	0.2	1.31
		F	493	1400	3	3	0.2	1.17
		F	522	1550	13	4	0.8	1.09
		M	618	2980	12	4	0.4	1.26
		M	605	2900	10	4	0.3	1.31
		F	517	1820	24	-	1.3	1.32
		F	497	1400	8	-	0.6	1.14
		M	685	4050	18	4	0.4	1.26
		F	638	3200	76	4	2.4	1.23
		M	541	2060	5	4	0.2	1.30
		M	497	1560	4	3	0.3	1.27
		M	522	1890	52	3	2.8	1.33
		M	537	1780	11	3	0.6	1.15
		M	486	1400	2	3	0.1	1.22
		F	536	1840	14	3	0.8	1.19
		M	510	1720	6	3	0.4	1.30
		F	524	1690	10	3	0.6	1.17
		M	454	1170	3	-	0.3	1.25
		F	497	1620	12	3	0.7	1.32
		M	514	1650	4	3	0.2	1.22
		M	506	1440	4	-	0.3	1.11
		M	502	1600	4	3	0.3	1.26
		F	490	1520	11	3	0.7	1.29
		-	544	2360		3		1.47
		M	595	3910	14	5	0.4	1.86
		M	642	3220	3	5	0.1	1.22
		F	543	1920	17	4	0.9	1.20
		M	506	1500	1	3	0.1	1.16
		F	464	1180	9	-	0.8	1.18
		M	480	1290	4	3	0.3	1.17
		F	600	2900	272	5	10.4	1.34

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	529	1840	19	4	1.0	1.24
		-	601	2860		5		1.32
		-	592	2420		4		1.17
		-	520	1670		3		1.19
		-	568	2170		4		1.18
		-	459	1220		3		1.26
		-	514	1550		3		1.14
		-	522	1620		3		1.14
		F	544	2150	17	4	0.8	1.34
		F	578	2650	428	4	19.3	1.37
	63-C	F	564	2600	7	4	0.3	1.45
	82-C	F	567	2400	7	4	0.3	1.32
		-	431	900		3		1.12
		M	508	1610	22	3	1.4	1.23
	93-C	M	478	1430	1	3	0.1	1.31
	106-C	M	471	1240	3	3	0.2	1.19
		F	485	1290	7	3	0.5	1.13
	121-C	F	460	1150	18	3	1.6	1.18
	138-C	M	677	4390	148	5	3.5	1.41

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G01	121	F	509	1900	142	-	8.1	1.44
		M	518	1840	60	-	3.4	1.32
		M	514	1660	57	-	3.6	1.22
		M	505	1320	38	-	3.0	1.02
		M	512	1690	63	-	3.9	1.26
		M	510	1590	22	-	1.4	1.20
		F	476	1320	42	-	3.3	1.22
		M	480	1420	57	-	4.2	1.28
		M	495	1490	43	-	3.0	1.23
		M	478	1240	29	-	2.4	1.14
		M	423	1040	32	-	3.2	1.37
		M	443	1080	43	-	4.1	1.24
		M	472	1290	54	-	4.4	1.23
		M	483	1520	44	-	3.0	1.35
		M	496	1590	44	-	2.8	1.30
		M	515	1750	40	-	2.3	1.28
		M	512	1740	41	-	2.4	1.30
		M	533	1960	46	-	2.4	1.29
	48-C	F	464	1260	68	-	5.7	1.26
	93-C	M	510	1640	1	-	0.1	1.24
	121-C	M	494	1360	46	-	3.5	1.13
		M	514	1500	36	-	2.5	1.10
		F	508	1560	105	-	7.2	1.19
	138-C	M	548	2150	62	-	3.0	1.31
		M	462	1070	42	-	4.1	1.09
		M	455	1120	23	-	2.1	1.19
		F	455	1160	67	-	6.1	1.23
G02	130	F	488	1440	113	-	8.5	1.24
		M	505	1900	112	-	6.3	1.48
		M	513	1770	160	-	9.9	1.31
		M	510	1990	75	-	3.9	1.50
		M	490	1530	47	-	3.2	1.30
	121	F	484	1340	73	-	5.8	1.18
		M	518	1650	45	-	2.8	1.19
		M	505	1810	80	-	4.6	1.41
		M	465	1230	25	-	2.1	1.22
		F	475	1470	115	-	8.5	1.37
		F	473	1400	86	-	6.5	1.32
		M	514	1840	88	-	5.0	1.35
	93-C	F	487	1400	93	-	7.1	1.21
	106-C	M	514	1690	68	-	4.2	1.24
	121-C	F	462	1380	87	-	6.7	1.40
		F	460	1210	91	-	8.1	1.24
	138-C	M	510	1830	74	-	4.2	1.38
G03	130	M	536	2180	83	-	4.0	1.42
		M	509	1690	58	-	3.6	1.28
	121	M	525	2120	95	-	4.7	1.47
		M	489	1480	45	-	3.1	1.27
		M	488	1570	78	-	5.2	1.35
		F	482	1390	97	-	7.5	1.24
G04	130	M	422	1050	43	-	4.3	1.40
		M	440	1320	38	-	3.0	1.55
		F	480	1510	89	-	6.3	1.37
		M	477	1540	59	-	4.0	1.42
	121	M	524	1950	100	-	5.4	1.36
		M	528	2070	64	-	3.2	1.41
		F	478	1570	107	-	7.3	1.44
		M	456	1320	46	-	3.6	1.39
		M	472	1330	55	-	4.3	1.26
		F	465	1360	71	-	5.5	1.35
		M	475	1420	38	-	2.7	1.32
		F	467	1460	100	-	7.4	1.43
		F	464	1340	191	-	16.6	1.34
		M	464	1310	58	-	4.6	1.31
		F	456	1260	159	-	14.4	1.33
		F	472	1310	79	-	6.4	1.25
		F	476	1350	57	-	4.4	1.25
		F	490	1450	109	-	8.1	1.23
		M	491	1490	51	-	3.5	1.26
		F	476	1850	52	-	2.9	1.72
		F	470	1410	83	-	6.3	1.36
	115	M	504	1510	41	-	2.8	1.18
		M	486	1580	68	-	4.5	1.38
		F	478	1660	108	-	7.0	1.52
		F	467	1330	106	-	8.7	1.31
		M	468	1360	43	-	3.3	1.33
		M	494	1730	79	-	4.8	1.44
	93-C	F	474	1270	103	-	8.8	1.19
	121-C	F	458	1170	88	-	8.1	1.22
		M	498	1690	68	-	4.2	1.37
		M	463	1250	36	-	3.0	1.26
G05	130	M	429	1240	23	-	1.9	1.57
		M	485	1460	72	-	5.2	1.28
		F	492	1600	130	-	8.8	1.34
		M	501	1620	45	-	2.9	1.29
		M	450	1140	54	-	5.0	1.25
		M	486	1660	61	-	3.8	1.45
		M	483	1480	45	-	3.1	1.31
		M	504	1570	61	-	4.0	1.23
	121	M	507	1630	30	-	1.9	1.25
		F	475	1360	82	-	6.4	1.27
		M	519	2110	107	-	5.3	1.51
		M	516	1650	36	-	2.2	1.20
		M	468	1410	67	-	5.0	1.38
		M	493	1710	65	-	4.0	1.43
		M	515	1620	66	-	4.2	1.19
		M	495	1450	82	-	6.0	1.20
		M	490	1540	63	-	4.3	1.31
		F	453	1110	70	-	6.7	1.19
		-	480	1350		-		1.22
		-	465	1230		-		1.22
		F	440	1080	80	-	8.0	1.27
		F	456	1390	75	-	5.7	1.47
		M	449	1110	48	-	4.5	1.23
		F	462	1340	108	-	8.8	1.36
		M	465	1240	33	-	2.7	1.23
		M	472	1110	24	-	2.2	1.06
	106-C	F	495	1710	106	-	6.6	1.41
		M	498	1460	56	-	4.0	1.18
		F	478	1370	84	-	6.5	1.25
		M	532	1730	55	-	3.3	1.15
G06	121	M	530	2000	128	-	6.8	1.34
		M	496	1830	97	-	5.6	1.50
		M	536	2040	70	-	3.6	1.32
		M	504	1700	93	-	5.8	1.33
		M	512	2100	112	-	5.6	1.56
		M	500	1640	50	-	3.1	1.31
		M	523	2300	80	-	3.6	1.61
		F	471	1440	102	-	7.6	1.38
		M	488	1510	54	-	3.7	1.30
		M	518	1850	72	-	4.0	1.33
		M	486	1640	156	-	10.5	1.43
		F	513	1710	137	-	8.7	1.27
		M	498	1770	107	-	6.4	1.43
		M	513	1850	63	-	3.5	1.37
		F	485	1560	116	-	8.0	1.37
		F	467	1300	107	-	9.0	1.28
		F	472	1460	105	-	7.7	1.39
		M	479	1350	21	-	1.6	1.23
		M	486	1390	68	-	5.1	1.21
		F	477	1390	89	-	6.8	1.28
		F	482	1550	105	-	7.3	1.38
		F	489	1360	104	-	8.3	1.16
		F	474	1400	76	-	5.7	1.31
		F	473	1440	90	-	6.7	1.36
		F	472	1460	91	-	6.6	1.39
		F	468	1410	90	-	6.8	1.38
		F	477	1400	80	-	6.1	1.29
		M	450	1180	75	-	6.8	1.29
		F	478	1540	97	-	6.7	1.41

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	481	1630	125	-	8.3	1.46
	93-C	F	463	1300	92	-	7.6	1.31
	106-C	M	506	2040	64	-	3.2	1.57
		M	498	1550	79	-	5.4	1.25
	121-C	M	493	1600	73	-	4.8	1.34
		M	501	1900	90	-	5.0	1.51
		F	474	1480	111	-	8.1	1.39
		M	477	1460	65	-	4.7	1.35
		M	510	1880	68	-	3.8	1.42
		M	495	1820	95	-	5.5	1.50
	138-C	M	500	1680	99	-	6.3	1.34
		M	496	1660	92	-	5.9	1.36
G07	130	M	519	1820	61	-	3.5	1.30
		M	492	1700	66	-	4.0	1.43
	121	M	483	1370	54	-	4.1	1.22
		F	482	1400	119	-	9.3	1.25
		F	451	1180	90	-	8.3	1.29
		F	468	1280	125	-	10.8	1.25
		M	514	1880	90	-	5.0	1.38
		F	488	1470	110	-	8.1	1.26
		F	494	1420	116	-	8.9	1.18
		F	490	1620	129	-	8.7	1.38
		M	516	1860	94	-	5.3	1.35
		F	476	1400	108	-	8.4	1.30
		F	486	1400	101	-	7.8	1.22
		F	484	1530	119	-	8.4	1.35
		M	480	1430	80	-	5.9	1.29
		M	477	1500	61	-	4.2	1.38
		F	478	1410	130	-	10.2	1.29
		F	502	1570	110	-	7.5	1.24
		M	520	1940	103	-	5.6	1.38
		M	469	1310	74	-	6.0	1.27
		M	550	2440	138	-	6.0	1.47
		M	510	1840	80	-	4.5	1.39
		M	512	1940	72	-	3.9	1.45
		M	474	1640	78	-	5.0	1.54
		F	493	1580	122	-	8.4	1.32
		M	478	1670	66	-	4.1	1.53
		M	504	1650	75	-	4.8	1.29
	106-C	F	497	1580	116	-	7.9	1.29
		M	502	1580	84	-	5.6	1.25
G08	106-C	M	518	1910	91	-	5.0	1.37
G10	106-C	F	480	1460	109	-	8.1	1.32
G11	93-C	F	455	1310	129	-	10.9	1.39
		F	482	1430	132	-	10.2	1.28
		F	433	1130	74	-	7.0	1.39
G14	72-C	F	509	1770	173	-	10.8	1.34
	82-C	F	468	1400	162	-	13.1	1.37
	93-C	F	480	1360	111	-	8.9	1.23
		F	463	1250	102	-	8.9	1.26
		M	430	1020	52	-	5.4	1.28
	106-C	F	475	1330	132	-	11.0	1.24
		F	458	1320	83	-	6.7	1.37
	121-C	M	506	1900	105	-	5.8	1.47
		M	528	1930	103	-	5.6	1.31
	157-C	F	527	1890	190	-	11.2	1.29
G15	106-C	M	510	2790	120	-	4.5	2.10
G16	121	F	487	1400	107	-	8.3	1.21
		F	496	1650	167	-	11.3	1.35
		F	486	1520	121	-	8.6	1.32
		F	508	1700	147	-	9.5	1.30
		M	489	1460	68	-	4.9	1.25
		F	500	1660	178	-	12.0	1.33
		F	505	1660	116	-	7.5	1.29
		F	448	1130	111	-	10.9	1.26
		F	481	1460	130	-	9.8	1.31
		F	483	1380	135	-	10.8	1.22
		M	482	1290	85	-	7.1	1.15
		M	532	2180	97	-	4.7	1.45
		M	501	1620	118	-	7.9	1.29

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	502	1640	139	-	9.3	1.30
		M	501	1630	81	-	5.2	1.30
		M	461	1340	98	-	7.9	1.37
		F	491	1580	154	-	10.8	1.33
		M	530	2000	125	-	6.7	1.34
		M	484	1450	111	-	8.3	1.28
		F	501	1530	151	-	10.9	1.22
		F	476	1360	117	-	9.4	1.26
		M	466	1460	97	-	7.1	1.44
		M	478	1530	90	-	6.2	1.40
		M	402	1630	98	-	6.4	2.51
		M	493	1800	131	-	7.8	1.50
		F	465	1400	123	-	9.6	1.39
		M	580	1880	121	-	6.9	0.96
		F	510	1760	140	-	8.6	1.33
		M	430	1110	71	-	6.8	1.40
		M	471	1370	64	-	4.9	1.31
	93-C	F	470	1330	115	-	9.5	1.28
	106-C	F	441	1300	90	-	7.4	1.52
		M	517	1970	120	-	6.5	1.43
		M	465	1300	69	-	5.6	1.29
G17	130	F	506	1620	100	-	6.6	1.25
	121	F	476	1300	124	-	10.5	1.21
		F	500	1700	140	-	9.0	1.36
		F	473	1400	132	-	10.4	1.32
		F	466	1450	106	-	7.9	1.43
		M	508	1590	61	-	4.0	1.21
		M	447	1180	85	-	7.8	1.32
		F	459	1550	144	-	10.2	1.60
		M	483	1420	83	-	6.2	1.26
	48-C	F	465	1350	114	-	9.2	1.34
G21	93-C	F	452	1160	100	-	9.4	1.26
G25	121	M	537	2040	65	-	3.3	1.32
		M	531	2050	112	-	5.8	1.37
		F	444	1180	87	-	8.0	1.35
		M	503	1700	60	-	3.7	1.34

SILVER SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G25	121	M	639	3600	105	2.1	3.0	1.38									
		M	438	1220	45	1.1	3.8	1.45									

KING SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G02	121	F	473	1380	8	-	0.6	1.30
		M	488	1500	3	-	0.2	1.29
		F	630	3200	10	-	0.3	1.28
		F	656	3180	20	-	0.6	1.13
G04	121	F	688	3660	26	-	0.7	1.12
	115	M	530	1630	5	-	0.3	1.09
G09	48-C	M	603	2420	2	1.2	0.1	1.10
		M	634	3150	2	-	0.1	1.24
		M	618	2860	2	-	0.1	1.21
		M	612	2900	2	1.3	0.1	1.27
		M	658	3260	2	1.3	0.1	1.14
		F	660	3310	9	-	0.3	1.15
G10	82-C	F	725	4140	37	1.4	0.9	1.09
	138-C	F	773	5720	43	-	0.8	1.24
G21	93-C	M	488	1670	75	-	4.7	1.44
G22	82-C	M	445	1140	31	2.3	2.8	1.29
	106-C	F	597	2620	322	-	14.0	1.23
	157-C	M	597	2900	124	1.3	4.5	1.36
G23	121	F	787	5600	27	1.3	0.5	1.15

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.

DOLLY VARDEN

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G18	82-C	M	319	375	2	-	0.5	1.16									
	93-C	F	417	820	5	-	0.6	1.13									
		M	417	820	2	-	0.2	1.13									
		F	392	680	10	-	1.5	1.13									
		F	442	920	17	-	1.9	1.07									
G20	82-C	F	397	230	9	-	4.1	0.37									
		F	388	680	7	-	1.0	1.16									
G22	82-C	F	503	1310	35	-	2.7	1.03									

6. Data on Dissolved Oxygen, Reactive Phosphorus, Dissolved Nitrate and Nitrite in Sea Water (Nansen bottle samples)

Seawater samples for the determinations of dissolved oxygen, reactive phosphorus, dissolved nitrate and nitrite were obtained Nansen bottles.

Dissolved oxygen was analyzed on board immediately after sampling by L. K. Coachman, T. Nishiyama and T. Hamanaka.

Reactive phosphorus was measured by the method of Murphy and Riley (1962).

Reactive nitrite was measured by the method by Strickland and Parsons (1968), nitrate with Griess reaction method (Strickland and Parsons, 1968).

Laboratoru analyses were made by M. Fukuchi.

Table 5 Data on dissolved oxygen, reactive phosphorous, nitrate and nitrite in sea water.

OS 73015

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N
0		1.67	0.23	29.94
9		1.81	0.24	29.27
19		1.95	0.19	30.51
28		2.04	0.21	27.97
37		2.07	0.20	29.31
46		2.07	0.18	30.12
56		2.01	0.21	-
70		1.76	0.19	36.34
93		2.20	0.20	29.44
116		2.19	0.22	29.68

OS 73021

0		1.09	0.12	14.45
9		1.28	0.17	16.95
18		0.21	0.14	22.59
27		1.37	0.17	17.59
35		0.92	0.13	23.37
44		1.57	0.24	20.20
53		0.86	0.18	25.87
66		1.37	0.25	29.24
87		1.42	0.20	33.11
108		2.12	0.27	-

OS 73023

0		0.96	0.19	13.42
9		0.97	0.15	12.76
18		1.30	0.19	16.07
28		1.32	0.24	15.86
37		1.43	0.25	17.46
46		1.44	0.24	14.97
55		1.67	0.27	20.62
69		2.09	0.21	28.64
92		2.17	0.20	30.76
115		2.27	0.07	30.05

OS 73030

0		0.23	0.00	0.53
8		0.24	0.00	0.84
16		0.24	0.03	0.00
25		0.31	0.03	0.00
33		0.73	0.07	2.79
41		1.47	0.13	9.04
49		1.78	0.13	14.27
61		1.85	0.14	15.07
72		2.14	0.12	24.09

OS 73036

Depth	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N
0		0.13	0.05	0.88
10		0.14	0.10	0.96
19		0.17	0.09	1.00
29		0.13	0.05	1.59
38		1.86	0.19	21.01
48		1.83	0.19	22.24
57		1.75	0.16	23.64
71		1.92	0.21	23.29

OS 73069

0		0.57	0.11	9.12
9		0.48	0.09	8.86
19		0.72	0.12	8.11
28		0.93	0.20	13.71
37		0.87	0.19	18.74
47		0.97	0.24	19.69
56		1.38	0.27	32.28
70		1.97	0.31	26.36
93		1.76	0.19	33.58
117		1.75	0.24	34.48

OS 73071

0		0.54	0.13	6.06
10		0.80	0.10	6.00
20		0.57	0.12	4.61
30		0.70	0.18	15.31
40		1.24	0.25	19.74
50		1.03	0.35	28.00
60		1.09	0.32	29.96
75		1.42	0.45	26.78
100		2.70	0.18	32.64
125		1.61	0.20	33.39

OS 73074

0	6.78	0.29		
10	6.78	0.20		
19	6.79	0.22		
28	6.90	0.23		
47	6.33	1.76		
71	6.25	2.25		
95	5.54	2.27		
109	5.49	2.51		

OS 73075

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N
0	7.24	0.55		
9	7.07	0.54		
19	7.07	0.63		
28	7.02	1.14		
47	6.65	1.79		
71	5.70	2.05		
94	6.20	2.20		
110	5.70	2.37		

OS 73076

0	6.82	0.72		
9	6.70	0.81		
18	6.72	0.78		
28	6.46	1.75		
46	5.32	2.07		
69	5.60	2.39		
92	5.58	2.11		
115	5.57	2.38		
138	5.65	2.20		
179	5.79	2.50		
214	5.90	2.46		
350	3.66	2.84		
439	2.06	3.04		
530	1.66	3.15		
620	1.22			
712	0.68			
805	0.65			
990	0.87			
1223	0.55			
1459	0.91			
1695	1.02			

OS 73077

0	5.94	0.34		
9	6.84	0.41		
18	6.89	0.49		
27	6.20	1.40		
45	5.99	1.99		
67	5.42	2.25		
90	5.31	-		
112	5.42	2.12		
135	5.56	2.44		
182	5.88	2.30		
229	6.84	2.50		
258	5.03	2.74		
350	3.00	2.79		
441	2.04	3.15		
535	1.33			
631	0.86			
729	0.64			
928	0.71			
1178	0.78			
1413	0.69			
1648	0.99			
1789	1.23			

OS 73078

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N
0	6.35	1.01		
10	6.47	1.10		
19	6.44	1.15		
28	6.47	1.10		
47	6.98	1.85		
71	6.76	2.20		
95	6.31	2.27		
118	6.43	2.35		
142	6.47	2.33		
191	6.42	2.39		
240	3.61	2.94		
260	2.69	2.91		
349	2.16	2.97		
440	1.49	3.21		
533	1.10			
626	0.81			
721	0.72			
964	0.54			
1208	0.59			
1453	0.72			
1700	1.00			
1948	1.24			
2445	1.65			
2641	1.69			

OS 73079

0	6.66			
10	7.41			
20	6.68			
29	6.62			
49	6.46			
74	6.28			
98	6.41			
123	6.44			
147	6.53			
196	5.89			
242	3.96			
290	2.96			
388	1.87			
486	1.25			
584	1.22			
682	0.68			
783	0.62			
951	0.69			
1192	0.65			
1444	0.77			
1887	1.00			
1921	1.40			
2422	1.58			
2904	2.02			
3200	1.99			

OS 73080

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N (ug-at N/l)
0	-			
10	6.62			
19	6.63			
29	6.75			
48	6.40			
72	6.56			
96	6.54			
120	5.78			
143	6.50			
192	6.62			
240	5.32			
259	4.09			
346	2.27			
433	1.58			
522	1.28			
612	0.72			
705	0.73			
895	0.56			
1093	0.47			
1323	0.62			
1556	0.76			
1788	1.00			
2259	1.32			
2544	1.47			

OS 73081

0	6.55			
10	6.76			
19	6.25			
29	-			
48	6.31			
72	6.00			
90	5.90			
110	5.77			
132	5.75			
177	5.70			
221	5.42			
278	3.07			
373	2.06			
469	1.13			
565	0.86			
662	0.64			
760	0.48			
956	0.59			
1172	0.56			
1407	0.63			
1642	0.77			
1878	1.11			

OS 73082

Depth (m)	O_2 (ml/l)	PO_4-N (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N (ug-at N/l)
0	6.46			
10	6.35			
20	6.74			
29	6.57			
49	6.43			
74	6.47			
98	6.28			
123	6.40			
147	6.00			
193	6.09			
230	2.55			
277	2.60			
374	1.68			
468	1.39			
564	0.94			
658	0.86			
758	0.57			
946	0.52			
1187	0.65			
1430	0.57			
1673	0.92			
1917	1.12			
2211	0.96			

OS 73083

0	4.78	0.97		
9	4.12	0.91		
19	6.18	1.03		
28	5.64	1.30		
47	6.59	1.93		
71	6.26	2.30		
95	6.09	2.44		
118	6.41	2.32		
142	4.68	2.44		
186	5.87	2.57		
234	2.82	2.73		
260	3.02	3.07		
357	1.77	3.15		
443	1.23	3.13		
537	0.92			
632	0.67			
728	0.46			
921	0.45			
1130	0.60			
1367	0.65			
1607	0.84			
1849	0.97			

OS 73084

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N NO_3-N (ug-at N/l)
0	6.18	0.91	
9	6.35	0.95	
19	6.44	1.01	
28	6.60	0.98	
47	6.75	1.63	
70	6.40	2.00	
93	6.47	2.09	
117	6.07	2.42	
140	5.99	2.49	
187	4.82	2.39	
235	3.86	2.71	
264	3.65	2.80	
354	2.99	2.94	
445	1.81	3.17	
537	1.13		
630	0.90		
724	0.57		
913	0.57		
1150	0.63		
1388	0.84		
1627	1.01		
1868	1.15		
2356	1.51		
2750	1.79		

OS 73085

0	6.82	0.43	
10	6.56	0.39	
20	6.40	0.70	
30	6.25	1.05	
50	5.79	1.88	
75	5.48	2.19	
99	5.20	2.49	
124	5.48	2.42	
149	5.39	2.50	
198	5.92	2.52	
247	4.36	2.66	
297	3.46	2.94	
390	2.22	3.28	
487	1.41	3.21	
585	0.95		
682	0.78		
780	0.53		
975	0.57		
1219	0.73		
1463	0.92		
1756	1.05		

OS 73086

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N NO_3-N (ug-at N/l)
0	5.47	0.40	
10	6.51	0.53	
20	6.31	0.68	
29	6.28	0.69	
49	5.89	1.77	
73	5.69	2.09	
98	5.64	2.17	
122	5.58	2.26	
132	5.44	3.27	

OS 73087

0	6.59	0.18	
10	6.76	0.22	
20	6.62	0.23	
30	6.05	1.33	
50	6.03	1.79	
74	4.97	2.39	
99	4.20	2.44	
124	5.31	2.67	

OS 73088

0	6.41	0.69	
10	6.28	0.78	
20	6.28	0.78	
30	5.99	1.24	
50	5.56	1.82	
74	5.56	2.31	
99	5.16	2.35	
124	5.56	2.36	
149	5.75	2.38	
199	5.76	2.40	
247	4.07	2.67	
292	2.88	2.80	
390	1.93	3.02	
488	1.44	3.11	
586	0.57		
635	0.68		

OS 73089

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N	NO_3-N (ug-at N/l)
0	6.45	0.56		
10	6.47	0.52		
19	5.79	0.64		
29	5.96	1.40		
48	5.62	1.31		
73	5.47	1.99		
97	5.15	2.12		
121	5.34	2.37		
145	6.03	2.46		
194	5.67	2.46		
242	4.97	2.63		
284	4.72	2.69		
381	2.91	3.00		
479	1.94	3.19		
577	1.36			
675	0.82			
774	0.53			
972	0.78			

OS 73090

0	6.72	0.49		
10	6.16	0.60		
20	6.03	0.62		
30	5.80	1.08		
50	5.90	1.91		
74	5.52	1.64		
99	5.24	1.73		
124	5.21	2.32		
149	5 13	2.40		

OS 73091

0	6.38	0.34		
10	5.64	0.26		
20	6.36	0.39		
29	5.23	1.06		
49	5.94	1.86		
74	5.08	2.45		
98	4.91	2.45		
123	4.94	2.47		
128	4.92	2.55		

OS 73092

0	6.46	0.28		
10	6.37	0.34		
20	6.54	0.49		
29	6.41	1.00		
49	6.03	2.06		
73	5.61	2.44		
98	5.16	2.44		
122	5.05	2.61		
127	5.14	2.63		

OS 73093

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N	NO_3-N (ug-at N/l)
0	5.90	0.33		
10	6.16	-		
19	5.92	0.51		
29	5.91	1.01		
49	5.61	1.79		
73	5.11	2.41		
97	4.73	2.42		
121	5.15	2.40		
141	4.97	2.40		

OS 73094

0	6.54	0.67		
10	6.52	0.78		
20	6.63	0.85		
29	6.57	0.93		
49	6.42	1.64		
74	6.14	2.10		
98	5.94	2.32		
123	5.80	2.35		
147	5.84	2.41		
196	6.06	2.42		
245	5.81	2.46		
285	5.83	2.67		
382	2.97	2.68		
470	2.27	3.12		

OS 73095

0	6.37	0.96		
10	6.37	0.89		
19	4.68	1.17		
29	6.19	1.83		
48	5.91	2.38		
72	5.35	2.55		
95	5.35	2.47		
118	4.69	2.66		
143	5.10	2.92		
157	5.22	2.61		

OS 73096

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N (ug-at N/l)
0	6.41	0.61		
9	6.33	0.64		
18	6.33	0.98		
27	-	1.23		
45	6.27	2.07		
68	6.07	2.27		
90	5.80	2.57		
113	5.56	2.53		
135	5.38	2.63		
182	5.29	2.48		
230	5.25	2.67		
267	3.52	2.78		
361	2.09	2.95		
456	1.46	3.61		
552	0.91			
649	0.74			
747	0.65			
943	0.50			
1042	0.48			

OS 73097

0	6.52	0.62		
9	7.09	0.70		
18	6.99	0.68		
28	7.01	1.49		
46	7.03	2.23		
69	6.91	2.33		
92	7.37	2.29		
115	7.31	2.33		
138	7.50	2.40		
188	7.33	-		
235	4.25	2.66		
253	4.06	2.74		
341	2.29	2.98		
430	1.70	3.33		
520	1.11			
611	0.86			
702	0.58			
897	0.55			
1122	0.58			
1264	1.20			

OS 73098

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N (ug-at N/l)
0	7.18			
9	5.52			
18	7.17			
27	7.23			
46	7.09			
69	7.00			
91	6.96			
114	6.63			
137	6.89			
186	6.80			
233	5.41			
274	3.27			
366	2.57			
459	1.79			
552	1.19			
645	1.10			
739	1.04			
928	0.96			
1074	1.19			
1300	1.05			
1529	1.20			
1760	1.15			
2326	1.17			

OS 73099

0	7.19			
10	7.06			
20	6.81			
29	7.09			
49	6.75			
73	6.60			
98	6.62			
122	7.00			
147	6.97			
194	6.72			
243	3.45			
272	2.56			
364	2.02			
456	1.21			
546	0.86			
638	0.68			
731	0.54			
719	0.70			
1189	0.82			
1431	0.82			
1676	1.00			
1921	1.19			
2414	1.68			
2908	2.01			
3205	1.95			

OS 73100

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N	NO_3-N (ug-at N/l)
0	6.61			
10	6.79			
20	6.89			
29	7.02			
49	6.27			
73	6.36			
98	6.54			
122	6.82			
147	7.02			
194	5.19			
242	3.13			
292	2.62			
390	1.70			
478	1.10			
585	0.77			
682	0.67			
780	0.55			
976	0.51			
1208	0.62			
1451	0.80			
1695	1.08			
1939	1.28			
2429	1.74			
2920	2.03			
3216	2.11			

OS 73101

0	6.61
10	7.08
19	7.18
28	7.15
47	6.63
71	6.45
95	6.23
118	6.36
142	6.80
190	5.53
237	6.33
284	2.92
381	2.07
476	1.31
573	1.00
670	0.68
767	0.56
963	0.63
1175	0.70
1423	0.72
1664	1.08
1906	1.36
2396	1.63
2888	2.01
3085	1.98

OS 73102

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N	NO_3-N (ug-at N/l)
0	6.91			
10	6.52			
19	6.24			
29	6.47			
49	6.13			
73	6.39			
98	5.98			
123	6.32			
147	6.11			
196	5.27			
245	3.57			
294	2.91			
392	1.94			
490	1.12			
588	0.85			
687	0.65			
786	0.64			
985	0.54			
1197	0.66			
1437	0.95			
1678	1.04			
1823	0.85			

OS 73103

0	6.98
10	7.01
20	7.20
30	7.05
50	6.04
75	6.79
100	6.73
125	6.73
150	6.60
200	6.58
249	5.35
297	2.98
397	1.84
496	1.07
595	0.92
694	0.58
793	0.54
992	0.52
1234	0.80
1482	0.96
1729	1.08
1977	1.38
2473	1.74
2969	2.08
3068	2.07

OS 73104

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N (ug-at N/l)
0	7.34			
10	7.46			
20	6.90			
30	7.30			
49	7.10			
74	6.66			
99	6.88			
123	5.92			
148	6.57			
198	5.88			
247	3.83			
290	3.17			
387	2.23			
484	1.40			
577	1.25			
673	0.75			
771	0.71			
968	0.52			
1184	1.00			
1424	1.05			
1665	1.32			
1906	1.37			
2393	1.78			

OS 73105

0	7.03			
10	6.63			
20	6.70			
30	7.01			
50	6.32			
75	6.00			
100	6.12			
125	6.35			
150	6.42			
200	5.86			
250	4.36			
299	3.31			
398	2.21			
498	1.43			
598	1.00			
698	0.76			
797	0.58			
997	0.56			
1246	0.70			
1495	0.85			
1794	1.11			

OS 73106

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N (ug-at N/l)
0	7.20	0.78		
10	7.19	0.70		
20	7.17	0.96		
30	6.84	1.25		
50	6.82	1.86		
75	6.49	2.13		
100	6.43	2.31		
125	6.14	2.46		
150	6.24	2.53		
200	6.03	2.57		
249	6.00	2.59		
299	4.86	2.73		
349	3.70	2.84		

OS 73107

0	7.27	0.48		
10	7.29	0.49		
20	7.15	0.81		
29	6.77	1.32		
49	6.83	1.92		
74	6.47	2.20		
98	6.29	2.35		
123	5.88	2.43		
142	6.00	2.48		

OS 73108

0	7.20	0.49		
10	7.07	0.53		
20	7.24	0.61		
30	6.75	1.41		
50	6.56	2.07		
75	5.98	2.28		
100	5.66	2.44		
124	5.84	2.51		
134	5.88	2.59		

OS 73109

0	7.16	0.64		
10	7.09	0.37		
20	7.36	0.42		
30	7.18	0.70		
49	6.70	1.71		
74	6.14	2.39		
99	5.96	2.47		
123	5.99	2.57		
128	6.00	2.53		

OS 73110

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	$(NO_2\text{-}N)+(NO_3\text{-}N)$ (ug-at N/l)
0	6.68	0.33	0.37
10	7.40	0.39	-
20	7.54	0.42	-
30	7.14	0.88	3.34
50	6.45	2.02	15.42
75	6.16	2.35	22.47
100	5.76	2.32	24.49
124	5.81	2.51	25.49
134	6.03	2.57	-

OS 73111

0	7.43	0.60	5.64
10	7.65	0.65	2.63
20	7.64	0.66	-
30	-	0.98	5.00
50	7.05	1.89	15.48
75	5.78	2.28	22.77
100	6.49	2.32	25.53
125	6.15	2.35	23.49
130	6.11	2.55	23.74

OS 73112

0	7.44	0.34	3.53
10	7.36	0.47	2.01
20	7.24	0.91	6.47
30	6.90	0.96	7.24
50	6.63	1.94	18.79
74	6.00	2.17	21.04
99	6.11	2.37	24.45
124	5.27	2.57	21.94
134	5.43	2.32	-

OS 73113

0	7.27	0.70	6.18
9	7.15	0.75	-
19	7.24	0.76	5.67
28	7.01	1.03	7.63
47	6.52	1.78	13.25
70	5.98	2.14	22.84
93	5.99	2.27	21.04
117	-	1.59	20.35
140	6.43	2.51	27.67
187	5.40	2.49	27.36
233	5.20	2.23	25.22
264	6.43	2.55	29.86
355	5.29	2.76	33.94
448	3.70	3.05	31.65
544	2.02	3.13	34.45
592	1.33	3.17	36.24

OS 73114

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	$(NO_2\text{-}N)+(NO_3\text{-}N)$ (ug-at N/l)
0	7.36	0.67	5.19
8	7.27	0.83	-
16	7.35	0.73	-
24	7.57	0.67	9.17
40	6.86	1.78	-
61	6.81	2.10	-
81	6.63	2.06	22.37
101	6.60	1.22	-
121	6.56	-	-
162	6.53	2.36	27.14
206	6.43	2.83	-
221	6.34	1.47	36.31
303	4.20	1.99	41.82
386	2.45	3.11	37.15
471	1.74		
558	1.36		
646	0.91		
824	0.55		
1001	0.56		
1087	0.57		

OS 73115

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N	NO_3-N (ug-at N/l)
0	7.28			
8	7.27			
17	6.39			
25	7.30			
41	7.02			
62	6.65			
83	6.72			
104	6.58			
124	6.37			
166	6.36			
204	6.55			
279	4.18			
356	2.51			
435	2.03			
516	1.54			
598	1.19			
768	0.71			
958	0.89			
1167	0.63			
1382	0.95			
1600	1.18			
2048	1.46			

OS 73116

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N NO_3-N (ug-at N/l)
0	7.07		
8	7.08		
16	6.73		
24	7.14		
40	6.86		
60	6.77		
80	6.86		
100	6.82		
120	6.35		
163	6.59		
197	5.65		
261	3.65		
339	2.62		
406	1.85		
484	1.17		
564	-		
726	0.70		
1008	0.64		
1236	0.72		
1468	0.83		
1704	0.95		
1988	1.24		

OS 73117

0	7.23		
8	7.27		
17	7.07		
25	7.27		
42	5.77		
64	6.04		
85	6.36		
106	6.50		
127	6.64		
172	6.09		
235	5.78		
317	2.97		
400	2.07		
484	1.23		
570	1.02		
655	0.83		
829	0.58		
948	0.48		
1158	0.63		
1375	0.72		
1596	1.13		
2052	1.48		
2521	1.70		
3000	1.97		

OS 73118

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N NO_3-N (ug-at N/l)
0	7.17		
9	6.93		
18	6.99		
27	7.08		
45	6.46		
68	6.32		
91	6.08		
113	6.00		
136	6.24		
184	6.44		
241	6.54		
320	4.00		
400	2.52		
484	1.75		
568	1.22		
654	1.13		
829	0.53		
1009	0.62		

OS 73119

0	7.21		
7	7.14		
14	6.89		
20	7.19		
34	6.98		
51	6.81		
68	6.51		
85	6.45		
102	6.55		
165	6.16		
209	6.58		
232	6.64		
312	5.18		

OS 73120

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	$(NO_2$-N$)+(NO_3$-N) (ug-at N/l)
0	7.48	0.19	-
8	7.70	0.25	0.03
17	7.24	0.59	3.13
25	6.47	0.83	7.84
41	6.90	1.22	-
62	5.89	2.25	20.19
83	6.32	2.28	-
104	5.99	2.51	-
124	5.47	2.73	-

OS 73121

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	(NO_2-N)+(NO_3-N) (ug-at N/l)
0	6.86	0.25	2.15
9	6.88	0.29	0.00
18	7.53	0.28	0.08
26	7.52	0.61	3.65
44	6.30	2.04	21.70
65	6.16	2.31	27.31
88	5.58	2.40	30.01
109	5.29	2.55	28.23
131	5.78	2.49	29.52

OS 73122

0	7.30	0.20	-
9	6.87	0.21	2.50
18	6.64	0.19	0.08
28	7.73	0.29	0.87
46	6.63	1.45	8.70
69	6.44	2.18	-
92	5.74	2.28	-
115	5.86	1.99	32.16
138	3.12	2.63	29.63

OS 73123

Depth (m)	O_2 (ml/l)	PO_4-P (ug-at/l)	NO_2-N (ug-at N/l)	NO_3-N
0	6.32			
10	6.78			
20	6.84			
29	6.60			
49	6.58			
74	5.89			
98	5.96			
123	6.03			
147	6.04			
192	4.76			
288	2.83			
385	1.95			
482	1.45			
579	1.03			
677	0.72			
775	0.67			
971	0.54			
1192	0.63			
1434	0.87			
1677	1.07			
1922	1.30			
2414	1.77			
2907	1.71			
3400	2.12			

2

THE "HOKUSEI MARU" CRUISE 39 (1-3) TO THE SOUTHERN KURILE WATERS AND OKHOTSK SEA IN JUNE-AUGUST 1973

1. Cruise Itinerary

Cruise 39 (1) :		
Departure from Hakodate	June	4, 1973
Starting hydrographic cast (HO 73015)		11
Starting salmon gill-net (HOG 7301)		11
Finishing hydrographic cast (HO 73024)		18
Finishing salmon gill-net (HOG 7308)		19
Return to Hakodate		21
Cruise 39 (2) :		
Departure from Hakodate	June	27
Starting hydrographic cast (HO 73025)	July	1
Starting salmon gill-net (HOG 7309)		1
Rendezvous with the R/V "Oyashio Maru"		4
Finishing hydrographic cast (HO 73040)		12
Finishing salmon gill-net (HOG 7320)		13
Return to Hakodate		17
Cruise 39 (3) :		
Departure from Hakodate	July	23
Anchor at Wakkanai for landing a patient		25
Starting hydrographic cast (HO 73041)		28
Starting salmon gill-net (HOG 7321)		28
Finishing hydrographic cast (HO 73055)	Aug.	7
Finishing salmon gill-net (HOG 7332)		9
Return to Hakodate		12

Total coverage 7253.0 miles, 60 days at sea

2. Vessel Personnel

Captain:		Associate Professor	Shoichi Yamamoto
Crew:	Chief Officer	Instructor	Kiyohiko Ishii
	Second Officer	Research Associate	Kunisaburo Yoneta
	Third Officer	Research Associate	Seiji Sasaki
	Chief Engineer		Shoji Okubo
	First Engineer		Minoru Fujita
	Second Engineer		Sho Takashimizu
	Radio Operator		Shiro Noguchi
	and 13 men		
Cadets:	Cruise 39 (1)	20 cadets, Department of Fishing Science	
	Cruise 39 (2)	13 cadets, Department of Fishing Science	
	Cruise 39 (3)	15 cadets, Department of Fishing Science	
Total:	Cruise 39 (1)	41 persons	
	Cruise 39 (2)	34 persons	
	Cruise 39 (3)	36 persons	

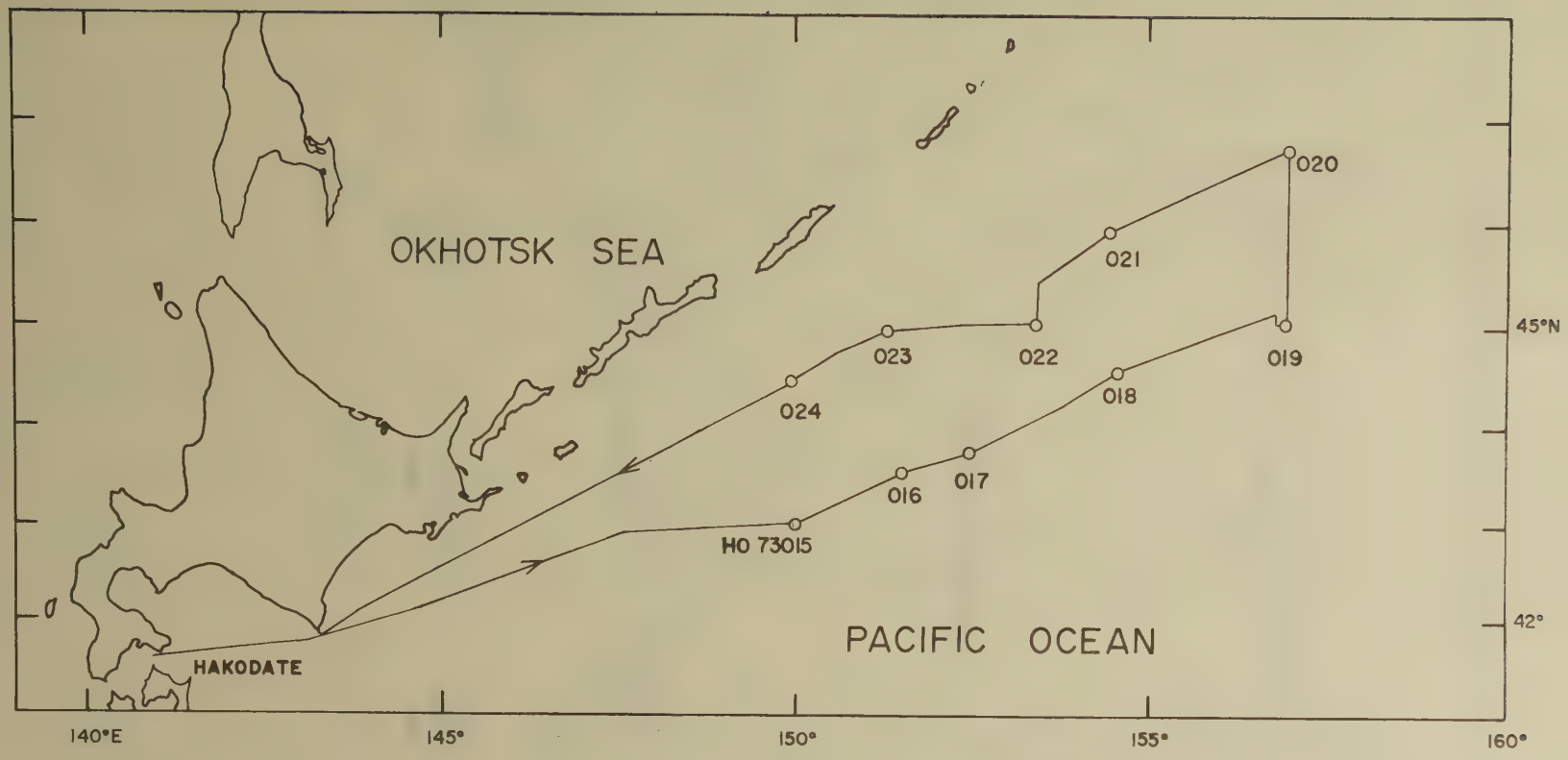


Fig. 1 Track chart and oceanographic stations. Cruise 39 (1)

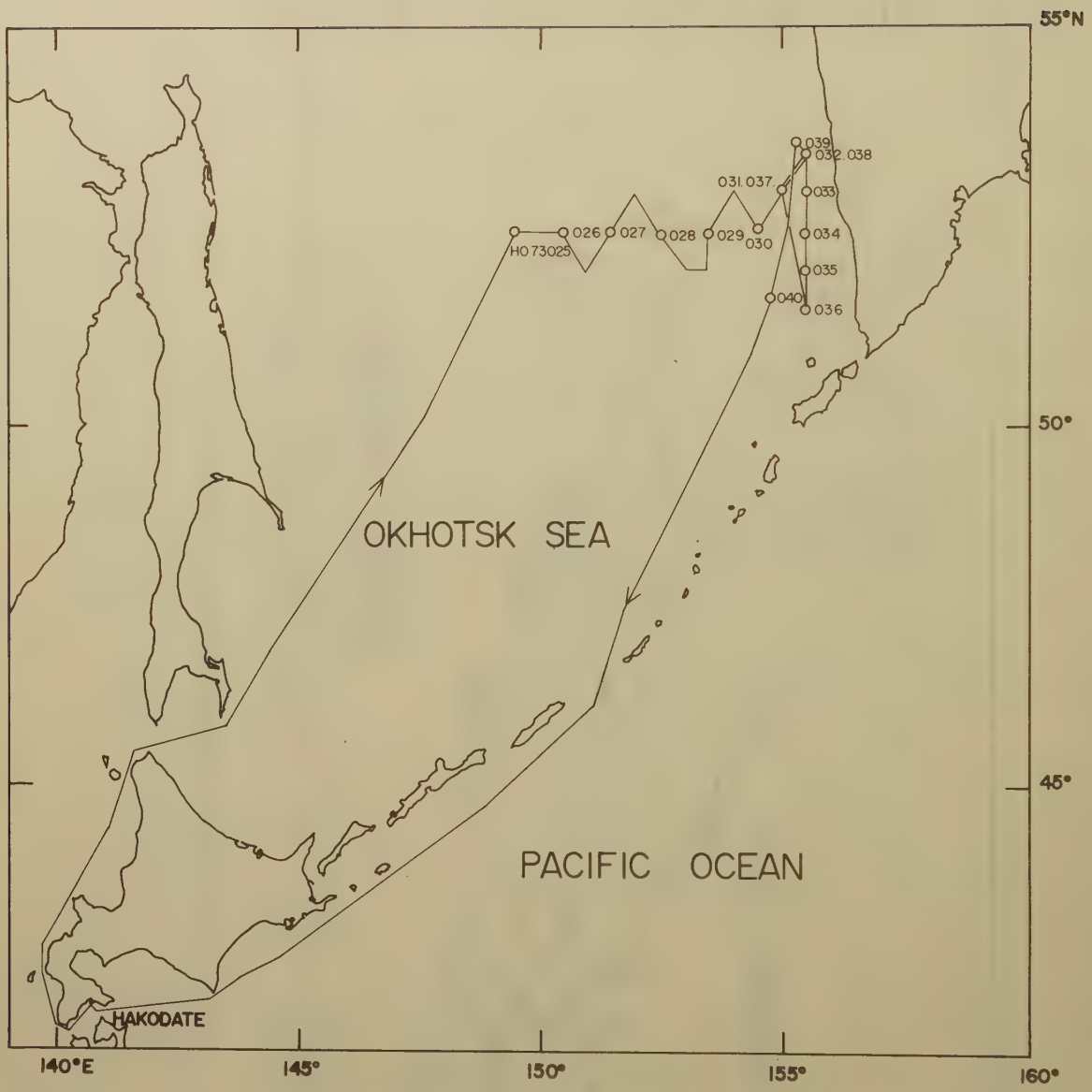


Fig. 2 Track chart and oceanographic stations. Cruise 39 (2)

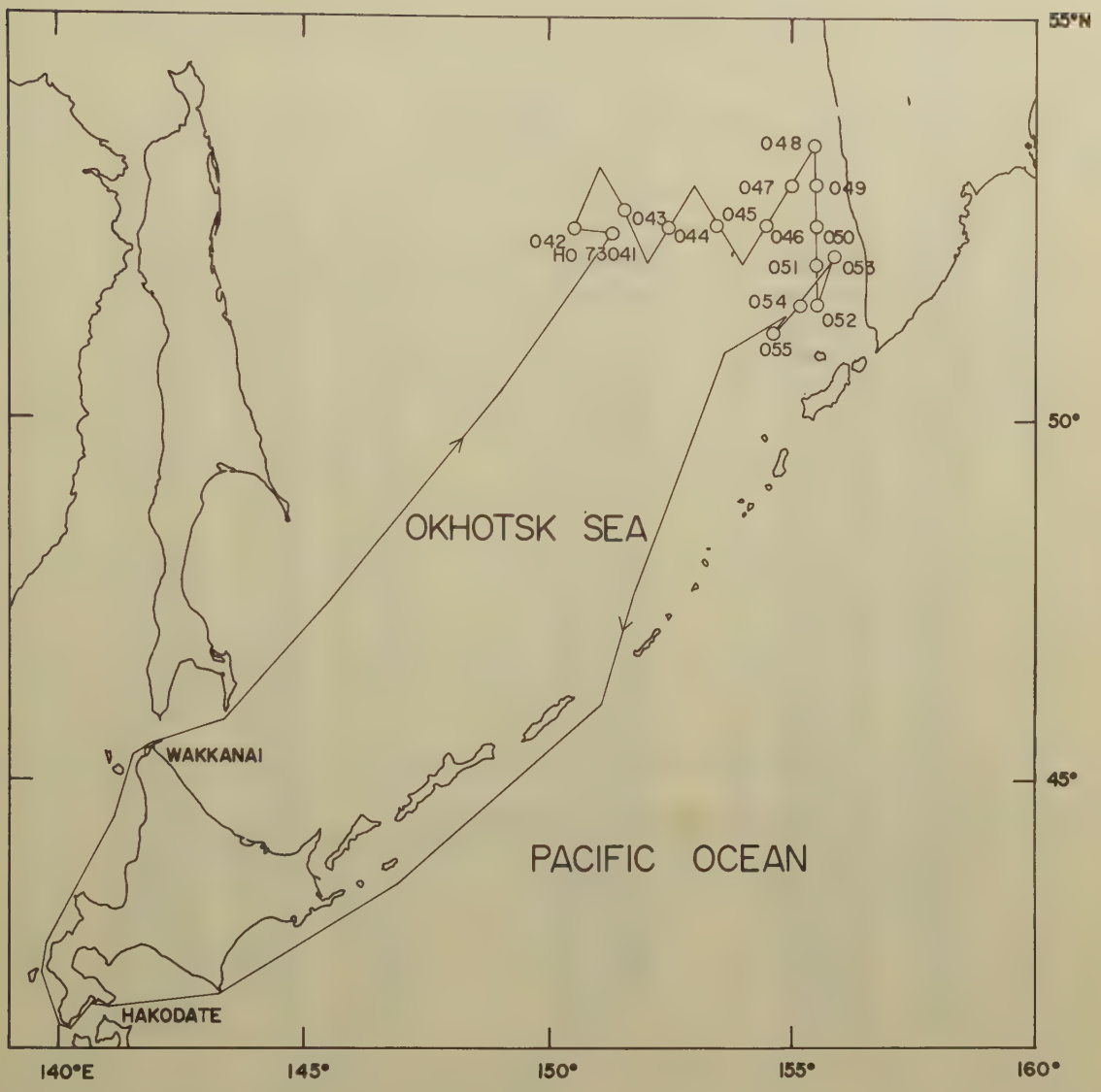


Fig. 3 Track chart and oceanographic stations. Cruise 39 (3)

3. Items of Observation

Hydrocast:

At 41 stations, temperature measurement and sampling of water for salinity determination were carried out, covering the depths from the surface down to about 1000 meters.

Meteorological observations:

Every three-hour interval, covering the whole courses.

Salmon gill-net set:

32 operations at various localities.

Measurement of biological characters, observations on maturity and sampling of scales were made.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Hokusei Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
HO 73015	43-00N	150-00E	June 11	0149-0328	June 10	1749-1928	D.R.P.
HO 73016	43-33N	151-29E	11	1110-1239	11	0210-0339	A.O.P.
HO 73017	43-46N	152-29E	11	1855-2010	11	0955-1110	Loran
HO 73018	44-34N	154-35E	12	1801-1944	12	0901-1044	Loran
HO 73019	45-02N	156-58E	13	1900-2036	13	1000-1136	Loran
HO 73020	46-44N	156-59E	14	1800-1902	14	0900-1002	Loran
HO 73021	45-57N	154-27E	15	1753-1904	15	0853-1004	Loran
HO 73022	45-03N	153-26E	16	1450-1633	16	0550-0733	Loran
HO 73023	44-57N	151-21E	18	0543-0654	17	2043-2154	Loran
HO 73024	44-29N	149-58E	18	1506-1641	18	0606-0741	Loran
HO 73025	52-30N	149-30E	July 1	0515-0655	30	2015-2155	D.R.P.
HO 73026	52-30N	150-30E	1	1139-1342	July 1	0239-0442	A.O.P.
HO 73027	52-30N	151-30E	2	1404-1605	2	0504-0705	D.R.P.
HO 73028	52-24N	152-30E	3	1535-1647	3	0635-0747	A.O.P.
HO 73029	52-30N	153-30E	4	1854-2015	4	0954-1115	D.R.P.
HO 73030	52-25N	154-36E	5	1358-1450	5	0458-1550	D.R.P.
HO 73031	53-00N	155-03E	6	1126-1155	6	0226-0255	A.O.P.
HO 73032	53-30N	155-30E	6	1536-1556	6	0636-0656	D.R.P.
HO 73033	53-00N	155-32E	7	0940-1013	7	0040-0113	A.O.P.
HO 73034	52-30N	155-30E	7	1326-1358	7	0426-0458	D.R.P.
HO 73035	52-00N	155-30E	8	0835-0927	7	2335-0027	D.R.P.
HO 73036	51-30N	155-30E	8	1225-1349	8	0325-0449	Radar
HO 73037	53-00N	155-00E	9	1523-1605	9	0623-0705	D.R.P.
HO 73038	53-30N	155-20E	10	1503-1529	10	0603-0629	D.R.P.
HO 73039	53-38N	155-11E	10	1925-2008	10	1025-1108	D.R.P.
HO 73040	51-39N	154-48E	12	1950-2044	12	1050-1144	Radar
HO 73041	52-24N	151-19E	28	0400-0533	27	1900-2033	D.R.P.
HO 73042	52-30N	150-35E	28	1355-1432	28	0455-0532	D.R.P.
HO 73043	52-43N	151-33E	29	1250-1415	29	0350-0515	D.R.P.
HO 73044	52-30N	152-30E	30	1446-1549	30	0546-0649	D.R.P.
HO 73045	52-30N	153-30E	31	1415-1619	31	0515-1719	D.R.P.
HO 73046	52-30N	154-30E	Aug. 1	1333-1427	Aug. 1	0433-0527	D.R.P.
HO 73047	53-00N	155-00E	2	1133-1205	2	0233-0305	A.O.P.
HO 73048	53-30N	155-30E	2	1609-1627	2	0709-0727	D.R.P.
HO 73049	53-00N	155-32E	4	0857-0923	3	2357-0023	D.R.P.
HO 73050	52-21N	155-27E	4	1458-1520	4	0558-0620	A.O.P.
HO 73051	52-00N	155-20E	5	0758-0835	4	2258-2335	Radar
HO 73052	51-30N	155-30E	5	1305-1455	5	0405-0555	Radar
HO 73053	52-05N	155-48E	6	1718-1741	6	0818-0841	Radar
HO 73054	51-30N	155-06E	7	1040-1145	7	0140-0245	D.R.P.
HO 73055	51-10N	154-41E	7	1500-1605	7	0600-0705	Radar

D.R.P. : position by dead reckoning

A.O.P. : position by astronomical observation

Table 2 Oceanographic data

STATION HO73015

LATITUDE 43-00 N LONGITUDE 150-00 E DATE 73-06-10 17.8 (GMT) DEPTH COL. TR.
SEA 07 3A SWELL 07 1A WIND 07 03F AIR TEMP. DRY 05.2 WET BAR. 21.8 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.80	33.07		0	5.80	33.07		26.08	194	194	0.000
10	5.97	33.07		10	5.97	33.07		26.06	196	196	0.020
20	5.95	33.07		20	5.95	33.07		26.06	196	196	0.039
29	4.80	33.12		30	4.65	33.12		26.25	178	178	0.058
49	2.39	33.13		50	2.35	33.13		26.47	156	156	0.091
74	2.37	33.27		75	2.38	33.27		26.58	146	146	0.129
98	2.63	33.35		100	2.66	33.35		26.62	142	142	0.165
123	2.77	33.39		125	2.74	33.40		26.65	139	140	0.201
147	2.32	33.51		150	2.31	33.52		26.79	127	127	0.234
196	2.45	33.64		200	2.45	33.64		26.87	119	119	0.296
219	2.46	33.65		250	2.59	33.72		26.92	114	115	0.355
262	2.65	33.75		300	2.72	33.81		26.98	108	109	0.411
350	2.78	33.88		400	2.89	33.96		27.09	98	100	0.516
438	2.96	34.02		500	2.96	34.08		27.18	89	92	0.613
529	2.94	34.11		600	2.87	34.18		27.27	81	85	0.702
622	2.85	34.20		700	2.89	34.25		27.32	76	80	0.785
717	2.90	34.26		800	2.86	34.31		27.37	72	76	0.863
911	2.69	34.37									

STATION HO73016

LATITUDE 43-33 N LONGITUDE 151-29 E DATE 73-06-11 02.2 (GMT) DEPTH COL. 05 TR. 9
SEA 07 2A SWELL 09 1A WIND 07 02F AIR TEMP. DRY 04.3 WET BAR. 24.7 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.60	33.08		0	5.60	33.08		26.11	191	191	0.000
10	4.75	33.05		10	4.75	33.05		26.18	184	184	0.019
20	4.72	33.05		20	4.72	33.05		26.18	184	184	0.037
29	4.41	33.05		30	4.33	33.05		26.23	180	180	0.055
49	2.64	33.09		50	2.58	33.09		26.42	161	161	0.090
73	1.71	33.12		75	1.67	33.12		26.52	152	152	0.129
98	1.40	33.16		100	1.37	33.16		26.57	147	147	0.167
122	1.19	33.21		125	1.23	33.23		26.63	142	141	0.203
146	1.65	33.37		150	1.71	33.39		26.73	132	132	0.237
196	2.18	33.56		200	2.20	33.57		26.83	122	123	0.301
241	2.36	33.65		250	2.40	33.67		26.90	116	117	0.361
290	2.61	33.75		300	2.67	33.77		26.96	111	112	0.419
387	3.04	33.94		400	3.05	33.96		27.07	100	102	0.526
485	3.04	34.06		500	3.03	34.08		27.17	90	93	0.624
583	2.97	34.17		600	2.96	34.19		27.26	82	85	0.714
681	2.90	34.25		700	2.88	34.26		27.33	75	79	0.797
779	2.76	34.31		800	2.73	34.32		27.39	70	74	0.874
976	2.48	34.38									

STATION HO73017

LATITUDE 43-46 N LONGITUDE 152-29 E DATE 73-06-11 09.9 (GMT) DEPTH COL. TR. 10
SEA 30 2A SWELL 14 1A WIND 30 02F AIR TEMP. DRY 03.8 WET BAR. 25.5 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.40	33.05		0	5.40	33.05		26.11	191	191	0.000
10	4.61	33.04		10	4.61	33.04		26.19	184	183	0.019
20	4.49	33.03		20	4.49	33.03		26.19	183	183	0.037
30	4.12	33.04		30	4.12	33.04		26.24	179	179	0.055
50	2.64	33.10		50	2.64	33.10		26.42	161	161	0.089
75	1.88	33.22		75	1.88	33.22		26.58	146	146	0.128
100	1.78	33.35		100	1.78	33.35		26.69	136	136	0.163
125	2.25	33.55		125	2.25	33.55		26.81	124	124	0.196
150	2.34	33.62		150	2.34	33.62		26.86	119	120	0.227
200	2.68	33.75		200	2.68	33.75		26.94	112	113	0.285
250	2.76	33.81		250	2.76	33.81		26.98	108	109	0.341
300	3.01	33.91		300	3.01	33.91		27.04	103	104	0.395
400	3.24	34.06		400	3.24	34.06		27.14	94	96	0.495
500	2.96	34.15		500	2.96	34.15		27.23	84	87	0.587
600	2.89	34.22		600	2.89	34.22		27.29	79	82	0.673
700	2.78	34.29		700	2.78	34.29		27.36	72	76	0.752
800	2.67	34.30		800	2.67	34.30		27.38	71	75	0.828
1000	2.50	34.42		1000	2.50	34.42		27.49	60	65	0.969

STATION HO73018

LATITUDE 44-34 N LONGITUDE 154-35 E DATE 73-06-12 09.0 (GMT) DEPTH COL. TR. 8
SEA 25 2A SWELL 13 1A WIND 25 02F AIR TEMP. DRY 04.5 WET BAR. 24.6 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.90	33.06		0	5.90	33.06		26.06	196	196	0.000
10	4.89	33.04		10	4.89	33.04		26.16	186	186	0.019
20	4.48	33.04		20	4.48	33.04		26.20	182	182	0.038
30	4.27	33.05		30	4.27	33.05		26.23	179	179	0.056
50	2.89	33.11		50	2.89	33.11		26.41	162	162	0.090
75	2.61	33.19		75	2.61	33.19		26.50	154	154	0.130
100	2.88	33.40		100	2.88	33.40		26.64	140	141	0.167
124	2.50	33.52		125	2.50	33.53		26.77	128	128	0.200
149	2.65	33.65		150	2.65	33.65		26.86	120	120	0.232
199	2.84	33.68		200	2.84	33.68		26.87	119	119	0.292
239	2.94	33.82		250	2.95	33.85		26.99	107	109	0.349
287	2.99	33.91		300	3.01	33.93		27.05	101	103	0.402
383	3.13	34.04		400	3.14	34.06		27.15	93	95	0.501
480	3.13	34.15		500	3.13	34.17		27.23	84	87	0.593
577	3.10	34.23		600	3.05	34.24		27.30	78	82	0.678
674	2.89	34.28		700	2.88	34.30		27.36	72	76	0.758
771	2.87	34.34		800	2.85	34.34		27.40	69	73	0.833
967	2.59	34.23									

STATION HO73019

LATITUDE 45-02 N LONGITUDE 156-58 E DATE 73-06-13 10.0 (GMT) DEPTH COL. TR.
SEA 28 4A SWELL 30 1A WIND 25 04F AIR TEMP. DRY 05.1 WET BAR. 16.0 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.90	33.04		0	3.90	33.04		26.26	177	176	0.000
10	3.78	32.97		10	3.78	32.97		26.22	181	180	0.018
19	3.78	32.97		20	3.71	32.97		26.22	180	180	0.036
29	2.96	32.96		30	2.92	32.96		26.29	174	174	0.054
48	2.39	32.98		50	2.29	32.98		26.36	167	167	0.088
72	1.24	33.03		75	1.15	33.03		26.48	156	156	0.128
96	0.75	33.05		100	0.73	33.05		26.52	152	152	0.167
120	0.77	33.09		125	0.77	33.14		26.59	146	145	0.204
144	0.90	33.34		150	1.16	33.35		26.73	132	132	0.239
192	3.00	33.40		200	3.07	33.48		26.69	136	137	0.306
224	3.09	33.71		250	3.17	33.83		26.96	111	112	0.369
269	3.22	33.87		300	3.27	33.93		27.03	104	106	0.424
359	3.29	33.99		400	3.26	34.05		27.12	95	97	0.526
449	3.20	34.11		500	3.17	34.16		27.22	86	89	0.619
539	3.14	34.19		600	3.02	34.23		27.29	79	82	0.705
632	2.96	34.25		700	2.89	34.29		27.35	73	78	0.785
726	2.87	34.30		800	2.79	34.33		27.39	69	74	0.861
920	2.64	34.38									

STATION HO73020

LATITUDE 46-44 N LONGITUDE 156-59 E DATE 73-06-14 09.0 (GMT) DEPTH COL. TR. 13
SEA 13 2A SWELL 24 1A WIND 13 02F AIR TEMP. DRY 03.7 WET BAR. 11.5 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.50	33.00		0	3.50	33.00		26.27	176	176	0.000
10	3.22	32.99		10	3.22	32.99		26.29	174	174	0.018
20	3.08	33.00		20	3.08	33.00		26.31	172	172	0.035
30	2.22	32.99		30	2.22	32.99		26.37	166	166	0.052
50	1.79	33.00		50	1.79	33.00		26.41	163	162	0.085
75	0.77	33.06		75	0.77	33.06		26.52	152	151	0.124
100	0.76	33.09		100	0.76	33.09		26.55	149	149	0.162
125	1.18	33.25		125	1.18	33.25		26.65	140	139	0.198
150	2.60	33.59		150	2.60	33.59		26.82	124	124	0.231
200	3.38	33.82		200	3.38	33.82		26.93	113	114	0.291
250	3.45	33.95		250	3.45	33.95		27.03	104	105	0.346
300	3.39	34.02		300	3.39	34.02		27.09	98	100	0.397
400	3.34	34.12		400	3.34	34.12		27.17	90	93	0.494
500	3.20	34.19		500	3.20	34.19		27.24	83	87	0.584
600	3.06	34.24		600	3.06	34.24		27.30	78	82	0.669
700	2.91	34.31		700	2.91	34.31		27.36	72	76	0.749
800	2.74	34.35		800	2.74	34.35		27.41	67	72	0.823
1000	2.47	34.42		1000	2.47	34.42		27.49	60	65	0.961

STATION H073021

LATITUDE 45-57 N LONGITUDE 154-27 E DATE 73-06-15 08.9 (GMT) DEPTH COL. TR. 10
SEA 06 1A SWELL 06 1A WIND 06 01F AIR TEMP. DRY 07.2 WET BAR. 10.1 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.60	32.97		0	5.60	32.97		26.02	199	199	0.000
10	4.15	32.98		10	4.15	32.98		26.19	183	183	0.019
20	3.94	32.98		20	3.94	32.98		26.21	181	181	0.037
30	3.05	32.97		30	3.05	32.97		26.28	174	174	0.055
50	1.96	32.99		50	1.96	32.99		26.39	164	164	0.089
75	1.11	33.01		75	1.11	33.01		26.46	157	157	0.130
100	0.89	33.05		100	0.89	33.05		26.51	153	153	0.168
125	0.78	33.09		125	0.78	33.09		26.55	149	149	0.206
150	1.02	33.21		150	1.02	33.21		26.63	142	141	0.243
200	3.05	33.71		200	3.05	33.71		26.87	118	119	0.308
250	3.22	33.83		250	3.22	33.83		26.95	111	112	0.366
300	3.31	33.95		300	3.31	33.95		27.04	103	104	0.421
400	3.23	34.06		400	3.23	34.06		27.14	94	96	0.521
500	3.21	34.17		500	3.21	34.17		27.23	85	88	0.614
600	3.10	34.24		600	3.10	34.24		27.29	79	83	0.700
700	2.92	34.30		700	2.92	34.30		27.36	73	77	0.780
800	2.77	34.35		800	2.77	34.35		27.41	68	72	0.855
1000	2.49	34.41		1000	2.49	34.41		27.48	61	66	0.994

STATION H073022

LATITUDE 45-03 N LONGITUDE 153-26 E DATE 73-06-16 05.8 (GMT) DEPTH COL. TR. 9
SEA 07 2A SWELL 05 2A WIND 07 02F AIR TEMP. DRY 07.1 WET BAR. 07.1 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.40	33.02		0	6.40	33.02		25.96	205	205	0.000
10	4.64	33.01		10	4.64	33.01		26.16	186	186	0.020
20	4.09	33.01		20	4.09	33.01		26.22	181	180	0.038
30	3.59	33.01		30	3.59	33.01		26.27	176	176	0.056
49	2.51	33.01		50	2.43	33.01		26.37	166	166	0.090
74	0.84	33.08		75	0.81	33.08		26.54	150	150	0.130
98	0.70	33.11		100	0.73	33.12		26.57	147	147	0.167
123	1.20	33.25		125	1.24	33.26		26.65	139	139	0.203
148	1.75	33.37		150	1.79	33.38		26.72	134	134	0.237
197	2.59	33.65		200	2.62	33.66		26.87	119	119	0.300
238	2.93	33.75		250	2.98	33.78		26.93	113	114	0.359
285	3.07	33.85		300	3.09	33.88		27.00	106	108	0.415
380	3.11	33.99		400	3.09	34.01		27.11	96	98	0.518
474	2.99	34.08		500	2.95	34.10		27.20	88	91	0.613
568	2.88	34.16		600	2.91	34.18		27.26	82	85	0.701
661	2.96	34.21		700	2.90	34.23		27.30	78	82	0.785
752	2.79	34.25		800	2.72	34.27		27.35	73	77	0.866
948	2.55	34.34									

STATION H073023

LATITUDE 44-57 N LONGITUDE 151-21 E DATE 73-06-17 20.7 (GMT) DEPTH COL. TR. 8
SEA 34 5A SWELL 32 5A WIND 34 05F AIR TEMP. DRY 05.2 WET BAR. 04.1 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.40	32.76		0	4.40	32.76		25.99	202	202	0.000
10	4.37	32.75		10	4.37	32.75		25.98	203	203	0.020
20	3.64	32.96		20	3.64	32.96		26.22	180	180	0.039
29	2.66	33.02		30	2.57	33.02		26.37	166	166	0.057
49	1.53	33.05		50	1.52	33.05		26.47	157	157	0.089
73	1.51	33.09		75	1.49	33.09		26.50	154	153	0.128
98	1.28	33.14		100	1.26	33.15		26.57	147	147	0.166
122	1.09	33.29		125	1.08	33.29		26.69	136	136	0.201
147	1.09	33.22		150	1.08	33.22		26.63	141	141	0.236
189	1.11	33.27		200	1.27	33.31		26.69	136	136	0.306
236	1.85	33.44		250	1.97	33.48		26.78	127	127	0.372
284	2.18	33.58		300	2.29	33.62		26.86	119	120	0.434
378	2.69	33.76		400	2.74	33.79		26.97	110	111	0.550
473	2.86	33.90		500	2.93	33.95		27.08	99	102	0.657
568	3.06	34.07		600	3.06	34.10		27.19	89	92	0.755
666	3.00	34.15		700	2.96	34.18		27.25	82	87	0.845
764	2.88	34.22		800	2.84	34.24		27.32	76	81	0.929
964	2.70	34.33									

STATION HO73024

LATITUDE 44-29 N LONGITUDE 149-58 E DATE 73-06-18 06.1 (GMT) DEPTH COL. TR. 5
SEA 27 1A SWELL 27 1A WIND 27 01F AIR TEMP. DRY 06.5 WET BAR. 06.6 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.60	33.01		0	7.60	33.01		25.79	221	221	0.000
10	6.89	33.00		10	6.89	33.00		25.88	213	212	0.022
20	5.17	33.02		20	5.17	33.02		26.11	191	191	0.042
30	4.39	33.03		30	4.39	33.03		26.20	182	182	0.061
49	2.54	33.05		50	2.47	33.05		26.40	164	163	0.095
74	1.28	33.08		75	1.25	33.08		26.51	153	153	0.135
99	0.95	33.15		100	0.94	33.15		26.59	146	145	0.172
124	0.93	33.23		125	0.93	33.24		26.66	139	139	0.208
149	1.08	33.47		150	1.10	33.48		26.84	122	122	0.241
198	2.05	33.61		200	2.07	33.61		26.88	118	119	0.301
248	2.36	33.60		250	2.37	33.60		26.84	121	122	0.361
291	2.48	33.60		300	2.55	33.60		26.83	122	123	0.423
389	3.10	33.69		400	3.05	33.72		26.88	118	120	0.545
487	2.57	33.90		500	2.60	33.90		27.06	100	103	0.657
585	2.91	33.90		600	2.93	33.94		27.07	100	103	0.760
684	2.97	34.15		700	2.95	34.14		27.23	85	89	0.857
783	2.82	34.05		800	2.80	34.05		27.17	91	95	0.949
982	2.57	34.31									

STATION HO73025

LATITUDE 52-30 N LONGITUDE 149-30 E DATE 73-06-30 20.3 (GMT) DEPTH 1095 COL. 05 TR. 7
SEA 10 3A SWELL 20 1A WIND 10 04F AIR TEMP. DRY 05.5 WET BAR. 11.1 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.10	32.54		0	5.10	32.54		25.74	226	226	0.000
10	4.90	32.54		10	4.90	32.54		25.76	224	224	0.023
19	3.35	32.64		20	3.06	32.65		26.03	199	199	0.044
29	0.40	32.69		30	0.24	32.69		26.26	177	177	0.063
48	-1.13	32.72		50	-1.19	32.73		26.34	169	168	0.097
72	-1.43	32.81		75	-1.50	32.81		26.42	162	161	0.138
97	-1.68	32.87		100	-1.55	32.89		26.48	155	154	0.178
121	-0.50	33.07		125	-0.37	33.10		26.61	143	142	0.215
145	0.11	33.23		150	0.15	33.25		26.71	134	134	0.250
193	0.51	33.34		200	0.81	33.37		26.77	128	128	0.316
211	1.25	33.41		250	1.06	33.44		26.81	124	124	0.379
255	1.04	33.44		300	0.88	33.46		26.84	122	121	0.440
343	0.83	33.49		400	1.04	33.54		26.89	117	116	0.560
433	1.20	33.61		500	1.37	33.97		27.21	86	87	0.662
523	1.43	34.07		600	1.72	33.91		27.14	93	94	0.753
614	1.77	33.87		700	2.04	33.99		27.19	89	91	0.846
707	2.06	34.01		800	2.27	34.13		27.28	80	83	0.934
897	2.39	34.24									

STATION HO73026

LATITUDE 52-30 N LONGITUDE 150-30 E DATE 73-07-01 02.7 (GMT) DEPTH 1060 COL. 04 TR. 7
SEA 01 4A SWELL 01 1A WIND 01 04F AIR TEMP. DRY 05.7 WET BAR. 11.4 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	5.60	32.58		0	5.60	32.58		25.71	229	228	0.000
9	4.83	32.58		10	4.81	32.58		25.80	220	220	0.022
18	4.65	32.58		20	3.85	32.60		25.92	209	209	0.044
27	1.06	32.68		30	0.81	32.72		26.24	178	178	0.063
44	-0.33	32.84		50	-0.73	32.83		26.41	163	162	0.098
66	-1.47	32.77		75	-1.64	32.81		26.42	162	161	0.138
88	-1.61	32.89		100	-1.26	32.96		26.53	151	150	0.177
110	-0.85	32.98		125	-0.21	32.88		26.43	161	160	0.216
132	0.06	32.83		150	0.26	33.03		26.53	151	151	0.255
176	0.54	33.32		200	0.61	33.37		26.78	127	127	0.325
206	0.62	33.37		250	0.72	33.58		26.95	112	111	0.384
280	0.78	33.71		300	0.82	33.68		27.02	105	105	0.439
356	0.94	33.54		400	1.04	33.55		26.90	116	116	0.549
436	1.13	33.60		500	1.36	33.69		26.99	107	108	0.661
517	1.43	33.72		600	1.81	33.87		27.10	97	98	0.765
601	1.81	33.87		700	2.11	34.02		27.20	88	90	0.859
776	2.24	34.11									

STATION HO73027

LATITUDE 52-30 N LONGITUDE 151-30 E DATE 73-07-02 05.1 (GMT) DEPTH 900 COL. 05 TR. 9
SEA 33 4A SWELL 33 1A WIND 33 04F AIR TEMP. DRY 07.8 WET BAR. 12.0 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.80	32.62		0	6.80	32.62		25.60	240	240	0.000
9	6.35	32.65		10	6.12	32.66		25.72	228	228	0.023
19	3.42	32.78		20	3.07	32.79		26.14	188	188	0.044
28	0.61	32.84		30	0.56	32.85		26.36	167	167	0.062
47	0.11	32.86		50	0.02	32.86		26.40	163	163	0.095
70	-0.52	32.86		75	-0.65	32.87		26.44	160	159	0.136
93	-0.81	32.95		100	-0.52	33.01		26.55	149	149	0.174
117	0.17	33.17		125	0.37	33.21		26.67	138	137	0.210
140	0.61	33.27		150	0.69	33.29		26.72	133	133	0.244
164	0.76	33.32		200	1.08	33.38		26.76	129	129	0.310
247	1.47	33.45		250	1.48	33.46		26.80	126	126	0.374
275	1.58	33.50		300	1.64	33.52		26.84	122	122	0.436
330	1.69	33.54		400	1.76	33.61		26.90	116	117	0.556
416	1.77	33.63		500	1.96	33.75		27.00	107	108	0.669
593	2.19	33.90		600	2.20	33.91		27.11	96	99	0.772
684	2.30	34.04									

STATION HO73028

LATITUDE 52-24 N LONGITUDE 152-30 E DATE 73-07-03 06.6 (GMT) DEPTH 675 COL. 04 TR. 8
SEA 28 3A SWELL 33 1A WIND 28 03F AIR TEMP. DRY 08.0 WET BAR. 14.3 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.20	32.66		0	7.20	32.66		25.57	242	242	0.000
10	6.89	32.64		10	6.89	32.64		25.60	240	239	0.024
20	4.73	32.70		20	4.73	32.70		25.91	210	210	0.047
30	1.38	32.82		30	1.38	32.82		26.29	174	173	0.066
50	0.31	32.86		50	0.31	32.86		26.39	165	164	0.100
75	-0.05	32.90		75	-0.05	32.90		26.44	160	159	0.140
95	-0.34	32.96		100	-0.24	32.97		26.50	154	153	0.179
119	0.26	33.03		125	0.33	33.08		26.56	148	148	0.217
143	0.46	33.22		150	0.52	33.25		26.69	136	136	0.253
199	0.84	33.31		200	0.84	33.31		26.72	133	133	0.320
249	1.00	33.36		250	1.01	33.36		26.75	130	130	0.386
299	1.29	33.41		300	1.29	33.41		26.77	128	128	0.451
399	1.64	33.51		400	1.64	33.51		26.83	123	123	0.577
499	1.88	33.66		500	1.88	33.66		26.93	113	114	0.696
599	2.20	33.92									

STATION HO73029

LATITUDE 52-30 N LONGITUDE 153-30 E DATE 73-07-04 09.9 (GMT) DEPTH 517 COL. 04 TR. 8
SEA 30 2A SWELL 28 2A WIND 30 02F AIR TEMP. DRY 05.1 WET BAR. 16.8 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.70	32.90		0	7.70	32.90		25.69	231	230	0.000
10	6.90	32.75		10	6.90	32.75		25.68	231	231	0.023
20	3.38	32.83		20	3.38	32.83		26.14	188	188	0.044
30	-0.33	32.85		30	-0.33	32.85		26.41	163	162	0.062
50	0.34	32.88		50	0.34	32.88		26.40	163	163	0.094
75	0.14	32.94		75	0.14	32.94		26.46	158	157	0.134
100	0.08	33.03		100	0.08	33.03		26.54	151	150	0.173
125	0.38	33.14		125	0.38	33.14		26.61	144	143	0.210
149	0.49	33.19		150	0.50	33.19		26.64	140	140	0.245
196	0.81	33.28		200	0.82	33.28		26.70	135	135	0.314
245	0.98	33.32		250	1.01	33.33		26.72	133	133	0.381
294	1.30	33.38		300	1.33	33.39		26.75	130	130	0.447
392	1.63	33.48		400	1.66	33.49		26.81	124	125	0.575
491	1.93	33.66									

STATION HO73030

LATITUDE 52-25 N LONGITUDE 154-36 E DATE 73-07-05 05.0 (GMT) DEPTH 450 COL. 03 TR. 13
SEA 22 3A SWELL 22 1A WIND 22 03F AIR TEMP. DRY 07.9 WET BAR. 18.5 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	8.20	32.72		0	8.20	32.72		25.48	251	251	0.000
10	6.69	32.71		10	6.69	32.71		25.68	232	232	0.024
20	4.24	32.76		20	4.24	32.76		26.01	201	201	0.046
30	0.28	32.79		30	0.28	32.79		26.33	170	169	0.064
49	0.04	32.86		50	0.02	32.86		26.40	163	163	0.098
73	-0.25	32.93		75	-0.24	32.94		26.47	156	156	0.138
98	-0.05	33.00		100	-0.03	33.01		26.52	152	151	0.176
122	0.22	33.07		125	0.24	33.08		26.56	148	147	0.214
147	0.41	33.12		150	0.44	33.13		26.60	145	144	0.250
197	0.99	33.24		200	1.02	33.25		26.66	139	139	0.321
246	1.43	33.34		250	1.46	33.35		26.71	134	134	0.389
295	1.63	33.42									

STATION HO73031

LATITUDE 53-00 N LONGITUDE 155-03 E DATE 73-07-06 02.4 (GMT) DEPTH 130 COL. 04 TR. 9
SEA 16 2A SWELL 22 1A WIND 16 02F AIR TEMP. DRY 11.4 WET BAR. 22.7 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	9.10	32.85		0	9.10	32.85		25.44	254	254	0.000
10	6.63	32.82		10	6.63	32.82		25.77	223	223	0.024
20	4.01	32.87		20	4.01	32.87		26.12	190	190	0.045
30	2.19	32.90		30	2.19	32.90		26.30	173	173	0.063
50	0.89	32.96		50	0.89	32.96		26.44	160	160	0.096
74	0.69	33.01		75	0.69	33.02		26.50	154	154	0.135
99	0.65	33.02		100	0.65	33.00		26.48	156	155	0.174
124	0.65	32.02									

STATION HO73032

LATITUDE 53-30 N LONGITUDE 155-30 E DATE 73-07-06 06.6 (GMT) DEPTH 60 COL. 04 TR. 11
SEA 22 2A SWELL 27 1A WIND 22 02F AIR TEMP. DRY 11.1 WET BAR. 22.1 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.10	31.18		0	10.10	31.18		23.98	394	393	0.000
10	5.49	32.62		10	5.49	32.62		25.76	224	224	0.031
20	1.00	32.65		20	1.00	32.65		26.18	184	184	0.051
30	0.55	32.70		30	0.55	32.70		26.25	178	178	0.070
50	-0.05	32.80		50	-0.05	32.80		26.36	168	167	0.104

STATION HO73033

LATITUDE 53-00 N LONGITUDE 155-32 E DATE 73-07-07 00.7 (GMT) DEPTH 60 COL. 03 TR. 10
SEA SWELL 25 1A WIND CALM AIR TEMP. DRY 11.2 WET BAR. 21.9 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.20	32.09		0	11.20	32.09		24.50	344	344	0.000
10	5.12	32.79		10	5.12	32.79		25.93	208	207	0.028
20	1.38	32.87		20	1.38	32.87		26.33	170	169	0.047
30	1.21	32.85		30	1.21	32.85		26.33	170	170	0.064
50	1.25	32.88		50	1.25	32.88		26.35	168	168	0.097

STATION HO73034

LATITUDE 52-30 N LONGITUDE 155-30 E DATE 73-07-07 04.4 (GMT) DEPTH 73 COL. 04 TR. 9
SEA SWELL 25 1A WIND CALM AIR TEMP. DRY 11.9 WET BAR. 20.5 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.40	30.84		0	11.40	30.84		23.49	440	440	0.000
10	5.61	32.75		10	5.61	32.75		25.85	216	216	0.033
20	3.78	32.87		20	3.78	32.87		26.14	188	188	0.053
30	1.73	32.95		30	1.73	32.95		26.37	166	166	0.071
49	1.68	32.96		50	1.68	32.96		26.39	165	165	0.104
70	1.66	32.95									

STATION HO73035

LATITUDE 52-00 N LONGITUDE 155-30 E DATE 73-07-07 23.6 (GMT) DEPTH 250 COL. 03 TR. 12
SEA 35 2A SWELL 35 1A WIND 35 03F AIR TEMP. DRY 10.2 WET BAR. 19.9 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.90	32.85		0	10.90	32.85		25.14	283	283	0.000
10	6.51	32.84		10	6.51	32.84		25.81	220	220	0.025
20	4.96	32.82		20	4.96	32.82		25.98	204	204	0.046
30	4.25	32.83		30	4.25	32.83		26.06	196	196	0.066
50	1.56	32.94		50	1.56	32.94		26.38	166	165	0.103
75	0.78	33.03		75	0.78	33.03		26.50	154	154	0.143
100	0.69	33.15		100	0.69	33.15		26.60	144	144	0.180
125	0.73	33.23		125	0.73	33.23		26.66	139	138	0.215
150	0.79	33.30		150	0.79	33.30		26.71	134	133	0.249
200	1.01	33.36		200	1.01	33.36		26.75	130	130	0.315

STATION HO73036

LATITUDE 51-30 N LONGITUDE 155-30 E DATE 73-07-08 03.4 (GMT) DEPTH 580 COL. 05 TR. 6
SEA SWELL 30 1A WIND CALM AIR TEMP. DRY 10.2 WET BAR. 19.0 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.40	32.75		0	10.40	32.75		25.15	282	282	0.000
10	5.60	32.78		10	5.60	32.78		25.87	214	213	0.025
20	3.82	32.84		20	3.82	32.84		26.11	191	191	0.045
30	3.48	32.85		30	3.48	32.85		26.15	187	187	0.064
50	2.63	32.85		50	2.63	32.85		26.22	180	180	0.101
75	1.11	32.95		75	1.11	32.95		26.41	162	162	0.144
100	0.65	32.97		100	0.65	32.97		26.46	158	157	0.184
125	0.54	33.01		125	0.54	33.01		26.50	154	154	0.223
150	0.42	33.04		150	0.42	33.04		26.53	151	151	0.261
200	0.53	33.13		200	0.53	33.13		26.59	145	145	0.335
250	0.68	33.23		250	0.68	33.23		26.66	138	138	0.406
300	0.81	33.31		300	0.81	33.31		26.72	133	132	0.474
400	1.28	33.44		400	1.28	33.44		26.80	126	126	0.603
500	1.64	33.60		500	1.64	33.60		26.90	116	117	0.725

STATION HO73037

LATITUDE 53-00 N LONGITUDE 155-00 E DATE 73-07-09 06.4 (GMT) DEPTH 144 COL. 04 TR. 9
SEA 36 3A SWELL 36 1A WIND 36 03F AIR TEMP. DRY 08.7 WET BAR. 20.0 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	9.60	32.86		0	9.60	32.86		25.37	261	261	0.000
10	8.30	32.80		10	8.30	32.80		25.53	246	246	0.025
20	4.30	32.86		20	4.30	32.86		26.08	194	194	0.047
29	2.16	32.91		30	2.02	32.91		26.32	171	170	0.066
49	0.80	32.96		50	0.77	32.96		26.45	159	159	0.099
73	0.47	33.01		75	0.46	33.01		26.50	154	153	0.138
98	0.41	33.01		100	0.41	33.01		26.50	154	153	0.176
122	0.41	33.01		125	0.42	33.01		26.50	154	153	0.215
137	0.45	33.01									

STATION HO73038

LATITUDE 53-30 N LONGITUDE 155-20 E DATE 73-07-10 06.1 (GMT) DEPTH 91 COL. 03 TR. 15
SEA 01 1A SWELL 01 1A WIND 01 01F AIR TEMP. DRY 12.8 WET BAR. 16.9 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	12.30	31.87		0	12.30	31.87		24.13	380	379	0.000
10	6.64	32.56		10	6.64	32.56		25.57	242	242	0.031
20	4.12	32.73		20	4.12	32.73		25.99	202	202	0.053
30	1.11	32.77		30	1.11	32.77		26.27	176	175	0.072
50	-0.41	32.83		50	-0.41	32.83		26.40	164	163	0.106
75	-0.42	32.83		75	-0.42	32.83		26.40	164	163	0.147

STATION HO73039

LATITUDE 53-38 N LONGITUDE 155-11 E DATE 73-07-10 10.4 (GMT) DEPTH 109 COL. TR.
SEA SWELL 34 1A WIND CALM AIR TEMP. DRY 11.4 WET BAR. 16.1 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.10	32.63		0	11.10	32.63		24.94	303	302	0.000
5	9.32	32.66		10	6.73	32.70		25.67	233	233	0.027
15	4.13	32.74		20	2.84	32.76		26.14	189	188	0.048
24	1.81	32.77		30	1.18	32.78		26.27	175	175	0.066
44	-0.28	32.79		50	-0.38	32.80		26.37	166	166	0.100
68	-0.69	32.83		75	-0.73	32.84		26.41	162	161	0.141
93	-0.69	32.84									

STATION HO73040

LATITUDE 51-39 N LONGITUDE 154-48 E DATE 73-07-12 10.8 (GMT) DEPTH 425 COL. TR.
SEA 09 3A SWELL 16 1A WIND 09 03F AIR TEMP. DRY 07.9 WET BAR. 08.5 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	7.90	32.74		0	7.90	32.74		25.54	245	245	0.000
10	7.14	32.74		10	7.14	32.74		25.64	235	235	0.024
20	4.97	32.74		20	4.97	32.74		25.91	210	210	0.046
30	1.09	32.74		30	1.09	32.74		26.25	178	178	0.066
50	0.21	32.74		50	0.21	32.74		26.30	173	173	0.101
75	0.83	32.74		75	0.83	32.74		26.26	176	176	0.145
100	0.77	32.74		100	0.77	32.74		26.27	176	176	0.189
125	0.70	32.74		125	0.70	32.74		26.27	176	175	0.233
150	0.56	32.74		150	0.56	32.74		26.28	175	174	0.277
200	0.70	32.74		200	0.70	32.74		26.27	176	175	0.364
250	1.19	32.74		250	1.19	32.74		26.24	178	178	0.453
300	1.33	32.74		300	1.33	32.74		26.23	179	179	0.542
400	1.71	32.74		400	1.71	32.74		26.21	182	182	0.723

STATION HO73041

LATITUDE 52-24 N LONGITUDE 151-19 E DATE 73-07-27 19.0 (GMT) DEPTH 950 COL. 03 TR. 17
SEA 17 4A SWELL 16 1A WIND 16 04F AIR TEMP. DRY 10.6 WET BAR. 09.5 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.20	32.59		0	11.20	32.59		24.89	307	307	0.000
10	9.84	32.59		10	9.84	32.59		25.12	285	285	0.030
20	6.22	32.68		20	6.22	32.68		25.72	228	228	0.055
29	2.19	32.83		30	2.09	32.84		26.26	177	177	0.076
49	0.16	32.86		50	0.16	32.86		26.39	164	163	0.110
73	0.51	32.86		75	0.45	32.87		26.38	165	164	0.151
97	-0.27	32.96		100	-0.29	32.98		26.51	153	152	0.191
122	-0.11	33.12		125	-0.05	33.14		26.63	142	141	0.227
146	0.37	33.25		150	0.43	33.26		26.71	134	134	0.262
181	0.78	33.33		200	0.97	33.37		26.76	129	129	0.328
226	1.20	33.42		250	1.42	33.46		26.80	125	125	0.392
271	1.59	33.49		300	1.67	33.53		26.84	122	122	0.454
364	1.70	33.60		400	1.77	33.65		26.93	113	114	0.572
459	1.91	33.74		500	2.01	33.80		27.04	103	104	0.682
558	2.12	33.89		600	2.14	33.94		27.14	94	96	0.782
657	2.17	34.01		700	2.23	34.06		27.22	85	88	0.875
757	2.34	34.13									

STATION HO73042

LATITUDE 52-30 N LONGITUDE 150-35 E DATE 73-07-28 04.9 (GMT) DEPTH 1185 COL. 04 TR. 12
SEA 16 4A SWELL 14 1A WIND 16 04F AIR TEMP. DRY 11.0 WET BAR. 05.0 WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.80	32.50		0	10.80	32.50		24.89	307	307	0.000
10	10.46	32.50		10	10.46	32.50		24.95	302	301	0.030
19	5.04	32.62		20	4.50	32.63		25.88	213	213	0.056
29	0.55	32.72		30	0.49	32.72		26.27	176	175	0.076
49	-0.63	32.76		50	-0.66	32.76		26.35	168	167	0.110
72	-0.90	32.86		75	-0.90	32.88		26.45	158	158	0.151
97	-0.61	33.03		100	-0.48	33.06		26.58	146	145	0.189
121	0.45	33.22		125	0.52	33.23		26.68	137	137	0.224
146	0.69	33.29		150	0.71	33.32		26.74	131	131	0.258
196	0.89	33.56		200	0.90	33.54		26.90	116	116	0.320
223	0.98	33.40		250	1.08	33.40		26.77	128	128	0.381
267	1.14	33.43		300	1.26	33.46		26.82	124	124	0.444
355	1.45	33.53		400	1.58	33.58		26.89	117	117	0.565
445	1.70	33.64		500	1.81	33.72		26.99	108	109	0.679
536	1.89	33.78		600	2.10	33.88		27.09	98	100	0.784
629	2.18	33.93		700	2.24	34.03		27.20	88	90	0.879
724	2.25	34.06		800	2.30	34.15		27.29	79	83	0.966
918	2.37	34.25									

STATION HO73043

LATITUDE 52-43 N LONGITUDE 151-33 E DATE 73-07-29 03.8 (GMT) DEPTH 1030 COL. 04 TR. 15
SEA 22 2A SWELL 19 1A WIND 22 02F AIR TEMP. DRY 11.8 WET BAR. 03.5 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.40	32.60		0	11.40	32.60		24.86	310	310	0.000
10	11.10	32.60		10	11.10	32.60		24.91	305	305	0.031
20	3.22	32.81		20	3.22	32.81		26.14	188	188	0.055
30	0.33	32.83		30	0.33	32.83		26.36	167	167	0.073
50	0.05	32.88		50	0.05	32.88		26.42	162	161	0.106
75	-0.30	32.94		75	-0.30	32.94		26.48	156	155	0.146
100	-0.20	33.10		100	-0.20	33.10		26.60	144	143	0.183
125	0.39	33.23		125	0.39	33.23		26.68	137	136	0.218
150	0.60	33.29		150	0.60	33.29		26.72	133	133	0.252
200	0.88	33.36		200	0.88	33.36		26.76	129	129	0.318
250	1.18	33.42		250	1.18	33.42		26.79	127	127	0.382
300	1.52	33.48		300	1.52	33.48		26.81	124	124	0.445
400	1.52	33.57		400	1.52	33.57		26.88	117	118	0.567
500	1.70	33.70		500	1.70	33.70		26.98	109	110	0.681
600	1.97	33.86		600	1.97	33.86		27.08	99	100	0.786
700	2.28	34.04		700	2.28	34.04		27.20	87	90	0.882
800	2.32	34.18		800	2.32	34.18		27.31	77	80	0.968
1000	2.38	34.33		1000	2.38	34.33		27.43	66	71	1.120

STATION HO73044

LATITUDE 52-30 N LONGITUDE 152-30 E DATE 73-07-30 05.8 (GMT) DEPTH 670 COL. 03 TR. 16
SEA 19 2A SWELL 18 1A WIND 19 02F AIR TEMP. DRY 11.9 WET BAR. 01.8 WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.80	32.40		0	11.80	32.40		24.63	332	331	0.000
10	10.87	32.56		10	10.87	32.56		24.92	304	304	0.032
20	5.84	32.70		20	5.84	32.70		25.78	222	222	0.058
30	0.22	32.76		30	0.22	32.76		26.31	172	171	0.078
50	-0.05	32.86		50	-0.05	32.86		26.40	163	162	0.111
75	-0.41	32.94		75	-0.41	32.94		26.48	155	155	0.151
100	0.02	33.24		100	0.02	33.24		26.71	134	134	0.187
125	0.59	33.28		125	0.59	33.28		26.71	134	134	0.221
150	0.73	33.33		150	0.73	33.33		26.74	131	131	0.254
200	0.89	33.38		200	0.89	33.38		26.77	128	128	0.319
250	1.26	33.43		250	1.26	33.43		26.79	126	126	0.383
300	1.38	33.49		300	1.38	33.49		26.83	123	123	0.445
400	1.51	33.59		400	1.51	33.59		26.90	116	116	0.565
500	1.80	33.72		500	1.80	33.72		26.98	108	109	0.678
600	2.13	33.89		600	2.13	33.89		27.10	97	99	0.783

STATION HO73045

LATITUDE 52-30 N LONGITUDE 153-30 E DATE 73-07-31 05.3 (GMT) DEPTH 515 COL. 03 TR. 15
SEA 36 1A SWELL 19 1A WIND 36 01F AIR TEMP. DRY 12.8 WET BAR. 00.3 WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	12.50	32.62		0	12.50	32.62		24.67	328	328	0.000
10	11.67	32.69		10	11.67	32.69		24.88	308	308	0.032
20	1.68	32.83		20	1.68	32.83		26.28	175	174	0.056
30	1.54	32.85		30	1.54	32.85		26.31	172	172	0.073
50	0.33	32.91		50	0.33	32.91		26.43	161	160	0.107
75	-0.08	32.93		75	-0.08	32.93		26.46	157	157	0.147
100	-0.09	33.00		100	-0.09	33.00		26.52	152	151	0.185
125	-0.14	33.06		125	-0.14	33.06		26.57	147	147	0.223
150	0.17	33.14		150	0.17	33.14		26.62	143	142	0.259
175	0.55	33.21		200	0.90	33.28		26.69	136	136	0.328
202	0.92	33.28		250	1.05	33.35		26.74	131	131	0.395
299	1.19	33.40		300	1.19	33.40		26.77	128	128	0.460
389	1.68	33.52									

STATION HO73046

LATITUDE 52-30 N LONGITUDE 154-30 E DATE 73-08-01 04.6 (GMT) DEPTH 375 COL. 04 TR. 10
SEA 22 3A SWELL 22 1A WIND 22 03F AIR TEMP. DRY 11.3 WET BAR. 93.7 WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.60	32.50		0	11.60	32.50		24.74	321	320	0.000
10	11.20	32.86		10	11.20	32.86		25.10	287	287	0.030
20	4.44	32.84		20	4.44	32.84		26.05	197	197	0.055
30	0.94	32.81		30	0.94	32.81		26.31	172	171	0.073
50	-0.31	32.81		50	-0.31	32.81		26.38	166	165	0.107
74	-0.31	32.67		75	-0.31	32.68		26.27	176	175	0.150
98	-0.27	32.94		100	-0.26	32.95		26.49	155	154	0.191
122	-0.13	33.01		125	-0.12	33.02		26.54	151	150	0.229
147	-0.08	33.07		150	-0.07	33.08		26.58	146	146	0.266
195	0.32	33.19		200	0.40	33.21		26.66	139	138	0.337
244	1.13	33.35		250	1.19	33.36		26.74	131	131	0.405
293	1.49	33.44		300	1.53	33.45		26.79	127	127	0.469
342	1.66	33.48									

STATION HO73047

LATITUDE 53-00 N LONGITUDE 155-00 E DATE 73-08-02 02.6 (GMT) DEPTH 137 COL. TR. 12
SEA 01 3A SWELL 10 1A WIND 01 03F AIR TEMP. DRY 12.4 WET BAR. 96.9 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	12.30	32.31		0	12.30	32.31		24.47	347	347	0.000
10	10.14	32.47		10	10.14	32.47		24.98	299	299	0.032
20	4.01	32.85		20	4.01	32.85		26.10	192	192	0.057
30	1.73	32.91		30	1.73	32.91		26.34	169	169	0.075
50	1.10	32.99		50	1.10	32.99		26.45	159	159	0.108
74	0.68	33.02		75	0.67	33.02		26.50	154	154	0.147
99	0.60	33.03		100	0.60	33.03		26.51	153	153	0.185
124	0.58	33.05									

STATION HO73048

LATITUDE 53-30 N LONGITUDE 155-30 E DATE 73-08-02 07.2 (GMT) DEPTH 65 COL. 04 TR. 10
SEA 31 3A SWELL 31 1A WIND 31 03F AIR TEMP. DRY 12.8 WET BAR. 98.6 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	13.00	31.54		0	13.00	31.54		23.74	417	416	0.000
10	7.21	32.47		10	7.21	32.47		25.42	256	256	0.034
20	1.53	32.80		20	1.53	32.80		26.27	176	176	0.055
29	1.24	32.85		30	1.22	32.85		26.33	170	170	0.073
49	1.21	32.85									

STATION HO73049

LATITUDE 53-00 N LONGITUDE 155-32 E DATE 73-08-03 23.9 (GMT) DEPTH 70 COL. 04 TR. 8
SEA 33 3A SWELL 33 1A WIND 33 03F AIR TEMP. DRY 14.6 WET BAR. 11.5 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	13.60	31.85		0	13.60	31.85		23.86	405	405	0.000
5	13.24	31.79		10	7.79	32.28		25.19	278	278	0.034
15	2.34	32.77		20	2.30	32.86		26.26	176	176	0.057
25	2.25	32.84		30	2.23	32.85		26.26	177	177	0.075
44	2.16	32.87		50	2.11	32.88		26.29	174	173	0.110
59	2.00	32.91									

STATION HO73050

LATITUDE 52-21 N LONGITUDE 155-27 E DATE 73-08-04 06.0 (GMT) DEPTH 87 COL. 05 TR. 11
SEA 32 3A SWELL 02 2A WIND 32 04F AIR TEMP. DRY 14.4 WET BAR. 11.0 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	13.20	31.07		0	13.20	31.07		23.34	455	455	0.000
10	6.73	32.73		10	6.73	32.73		25.69	231	231	0.034
20	4.54	32.85		20	4.54	32.85		26.05	197	197	0.056
29	2.41	32.93		30	2.28	32.93		26.32	171	171	0.074
49	1.30	32.96		50	1.28	32.96		26.41	162	162	0.108
73	1.29	33.00		75	1.29	33.00		26.44	159	159	0.148
83	1.30	32.98									

STATION HO73051

LATITUDE 52-00 N LONGITUDE 155-20 E DATE 73-08-04 23.0 (GMT) DEPTH 195 COL. 04 TR. 9
SEA 32 3A SWELL 32 1A WIND 32 03F AIR TEMP. DRY 13.0 WET BAR. 13.7 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.20	32.62		0	11.20	32.62		24.91	305	305	0.000
10	9.90	32.66		10	9.90	32.66		25.16	281	281	0.029
19	5.75	32.83		20	5.43	32.84		25.94	207	207	0.054
29	3.30	32.92		30	3.14	32.92		26.24	179	178	0.073
49	1.42	32.97		50	1.37	32.97		26.42	162	161	0.107
73	0.81	33.08		75	0.79	33.09		26.54	150	150	0.146
97	0.74	33.14		100	0.72	33.15		26.60	144	144	0.183
121	0.66	33.23		125	0.68	33.24		26.67	137	137	0.218
146	0.84	33.29		150	0.86	33.30		26.71	134	134	0.252
194	0.96	33.36									

STATION HO73052

LATITUDE 51-30 N LONGITUDE 155-30 E DATE 73-08-05 04.1 (GMT) DEPTH 660 COL. 05 TR. 6
SEA 31 2A SWELL 33 1A WIND 31 02F AIR TEMP. DRY 13.0 WET BAR. 13.8 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.40	32.60		0	10.40	32.60		25.03	293	293	0.000
10	7.05	32.70		10	7.05	32.70		25.62	237	237	0.027
20	4.54	32.84		20	4.54	32.84		26.04	198	198	0.048
30	3.82	32.86		30	3.82	32.86		26.13	189	189	0.068
50	3.15	32.89		50	3.15	32.89		26.21	181	181	0.105
75	1.61	32.97		75	1.61	32.97		26.40	164	163	0.148
100	0.62	32.97		100	0.62	32.97		26.46	158	157	0.188
125	0.65	33.01		125	0.65	33.01		26.49	155	154	0.227
150	0.40	33.13		150	0.40	33.13		26.60	144	144	0.265
200	0.95	33.19		200	0.95	33.19		26.62	143	142	0.337
250	0.79	33.25		250	0.79	33.25		26.67	137	137	0.407
300	0.89	33.34		300	0.89	33.34		26.74	131	131	0.474
400	1.36	33.47		400	1.36	33.47		26.82	124	124	0.602
500	1.77	33.65		500	1.77	33.65		26.93	113	114	0.721

STATION HO73053

LATITUDE 52-05 N LONGITUDE 155-48 E DATE 73-08-06 08.3 (GMT) DEPTH 72 COL. 05 TR. 7
SEA SWELL 24 1A WIND CALM AIR TEMP. DRY 13.2 WET BAR. 12.7 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.80	32.61		0	11.80	32.61		24.79	316	316	0.000
10	8.62	32.67		10	8.62	32.67		25.38	261	261	0.029
20	6.83	32.76		20	6.83	32.76		25.70	230	230	0.053
30	3.42	32.88		30	3.42	32.88		26.18	184	184	0.074
49	1.10	33.01		50	1.06	33.01		26.47	157	157	0.108
60	1.09	33.01									

STATION HO73054

LATITUDE 51-30 N LONGITUDE 155-06 E DATE 73-08-07 01.7 (GMT) DEPTH 440 COL. 04 TR. 8
SEA 18 3A SWELL 20 3A WIND 18 03F AIR TEMP. DRY 12.3 WET BAR. 12.7 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.40	32.62		0	10.40	32.62		25.05	292	291	0.000
10	8.18	32.69		10	8.18	32.69		25.46	253	253	0.027
20	5.88	32.83		20	5.88	32.83		25.88	213	213	0.051
30	4.30	32.90		30	4.30	32.90		26.11	191	191	0.071
50	2.98	32.99		50	2.98	32.99		26.31	172	172	0.107
75	1.86	33.03		75	1.86	33.03		26.43	161	161	0.149
100	1.17	33.08		100	1.17	33.08		26.52	152	152	0.188
125	0.98	33.12		125	0.98	33.12		26.56	148	148	0.226
150	0.80	33.18		150	0.80	33.18		26.62	143	142	0.262
200	0.78	33.27		200	0.78	33.27		26.69	136	135	0.332
250	0.85	33.33		250	0.85	33.33		26.74	132	131	0.399

STATION HO73055

LATITUDE 51-10 N LONGITUDE 154-41 E DATE 73-08-07 06.0 (GMT) DEPTH 620 COL. 04 TR. 8
SEA 13 3A SWELL 16 1A WIND 13 03F AIR TEMP. DRY 11.0 WET BAR. 12.3 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	10.40	32.73		0	10.40	32.73		25.14	284	283	0.000
10	9.14	32.56		10	9.14	32.56		25.21	277	276	0.028
20	4.42	32.89		20	4.42	32.89		26.09	193	193	0.052
30	3.18	32.96		30	3.18	32.96		26.27	176	176	0.070
50	1.94	33.02		50	1.94	33.02		26.41	162	162	0.104
75	1.02	33.05		75	1.02	33.05		26.50	154	154	0.143
100	0.60	33.11		100	0.60	33.11		26.57	147	147	0.181
124	0.60	33.15		125	0.60	33.15		26.61	144	143	0.217
149	0.60	33.20		150	0.61	33.20		26.65	140	140	0.253
198	0.97	33.31		200	0.97	33.31		26.71	134	133	0.321
248	0.95	33.37		250	0.96	33.37		26.76	129	129	0.387
297	1.18	33.42		300	1.19	33.42		26.79	126	126	0.451
396	1.55	33.56		400	1.56	33.56		26.88	118	119	0.574
495	1.83	33.70		500	1.85	33.71		26.97	109	110	0.689
595	2.19	33.92									

5. Data on Salmon Gillnet Fishing

32 gill-net sets, were performed at various localities during the cruises. In every cases, 15 different mesh sizes, i. e., 48mm, 55mm, 63mm, 72mm, 82mm, 93mm, 106mm, 121mm, 138mm, 157mm, 109mm, 112mm, 115mm, 121mm and 124mm, in stretched measure, were used.

Operation was supervised by the captain and deck officers, and all hands of the crew and cadets were engaged in the work.

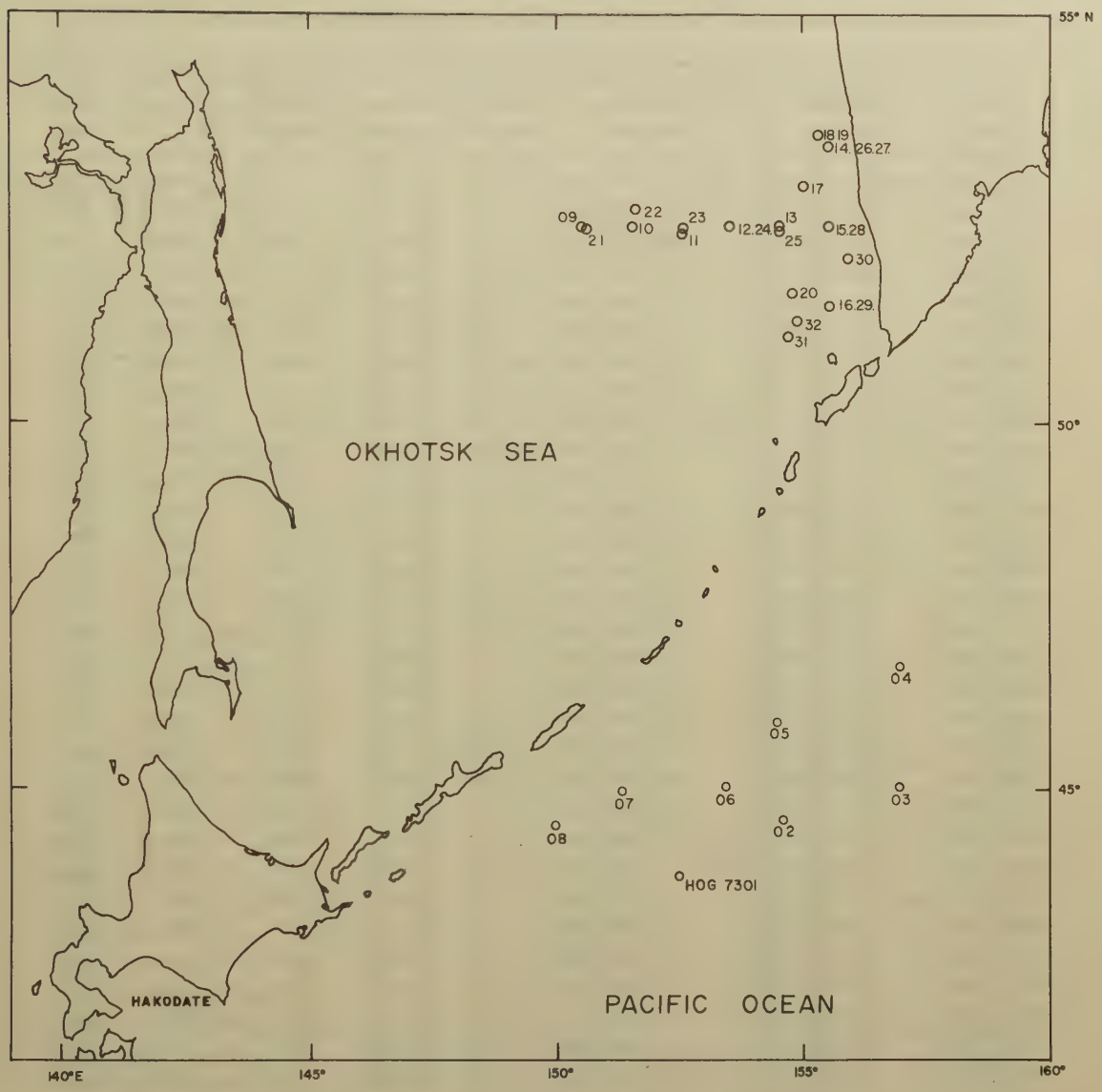


Fig. 4 Locations of salmon gillnet fishing

Table 3 Data on salmon gillnet fishing

No. of fishing	Date and time (J.S.T.) Net set	Net haul	Position Lat.(N)	Long.(E)	Direction of drift toward	W[r]	Wind		S. T. (°C)
HOG 7301	June 11 1734-1818	June 12 0311-0533	43-46	152-29	220	c	NNW	2	5.4
HOG 7302	12 1637-1721	13 0305-0535	44-34	154-35	60	f	SSW	2	5.8
HOG 7303	13 1804-1836	14 0427-0551	45-02	156-58	100	f	WSW	4	3.9
HOG 7304	14 1636-1719	15 0305-0512	46-44	156-59	40	f	SE	2	3.5
HOG 7305	15 1637-1717	16 0311-0540	45-57	154-27	225	b	ENE	1	5.1
HOG 7306	16 1639-1726	17 0318-0555	45-03	153-26	240	f	ENE	2	5.9
HOG 7307	17 1807-1833	18 0406-0527	44-57	151-21	210	f	NNE	5	5.4
HOG 7308	18 1650-1730	19 0316-0539	44-29	149-58	45	f	West	1	6.9
HOG 7309	July 1 1636-1720	July 2 0305-0524	52-30	150-30	230	f	North	4	5.6
HOG 7310	2 1646-1727	3 0350-0610	52-30	151-30	230	bc	NW	4	6.8
HOG 7311	3 1758-1835	4 0310-0550	52-24	152-30	90	b	West	3	7.2
HOG 7312	4 1800-1843	5 0308-0603	52-30	153-30	270	f	WNW	2	7.7
HOG 7313	5 1641-1703	6 0345-0534	52-25	154-30	260	f	SW	3	8.2
HOG 7314	6 1638-1716	7 0305-0618	53-30	155-30	270	o	SW	2	10.1
HOG 7315	7 1633-1715	8 0304-0522	52-28	155-29	270-320	b	Calm		11.4
HOG 7316	8 1633-1710	9 0308-0541	51-30	155-30	270	f	Calm		10.4
HOG 7317	9 1634-1716	10 0305-0637	53-00	155-00	270	f	North	3	9.6
HOG 7318	10 1827-1903	11 0308-0640	53-38	155-18	270	c	North	1	11.1
HOG 7319	11 1636-1712	12 0306-0621	53-38	155-12	270	r	Calm		11.4
HOG 7320	12 1903-1940	13 0305-0650	51-39	154-48	270	o	East	3	7.9
HOG 7321	28 1632-1711	29 0308-0518	52-30	150-30	290	o	SSE	3	10.8
HOG 7322	29 1630-1711	30 0306-0528	52-43	151-33	270-320	o	SW	1	11.4
HOG 7323	30 1634-1709	31 0305-0517	52-30	152-30	270	f	South	2	11.8
HOG 7324	31 1633-1708	Aug. 1 0302-0532	52-30	153-30	270	f	North	1	12.5
HOG 7325	Aug. 1 1629-1705	2 0328-0610	52-30	154-30	90	r	SW	3	11.6
HOG 7326	2 1645-1722	3 0303-0639	53-30	155-30	100	o	NW	3	13.0
HOG 7327	3 1632-1708	4 0300-0548	53-30	155-30	270	o	North	2	13.3
HOG 7328	4 1633-1709	5 0304-0533	52-21	155-27	120	bc	North	3	13.2
HOG 7329	5 1631-1706	6 0312-0530	51-30	155-30	260	bc	NW	2	10.4
HOG 7330	6 1630-1707	7 0302-0520	52-05	155-48	260	bc	Calm		11.8
HOG 7331	7 1631-1704	8 0259-0517	51-10	154-41	70	c	SE	3	10.4
HOG 7332	8 1631-1705	9 0312-0525	51-21	154-52	270	c	East	2	10.9

W[r] : weather

S.T. : surface temperature

No. of F.	Amount of net cast (tan)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
2	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
3	3	3	3	3	3	3	3	3	3	3	15	15	15	15	-	90
4	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
5	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
6	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
7	3	3	3	3	3	3	3	3	3	3	15	15	15	15	-	90
8	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
9	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
10	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
11	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
12	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
13	3	3	3	3	3	3	3	3	3	3	-	15	15	15	15	90
14	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
15	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
16	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
17	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
18	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
19	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
20	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
21	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
22	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
23	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
24	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
25	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
26	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
27	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
28	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
29	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
30	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
31	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
32	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150

Table 3 Data on salmon gillnet fishing

No. of fishing	Date and time (J.S.T.) Net set	Net haul	Position Lat.(N)	Long.(E)	Direction of drift toward	W$^{r}_{-}$	Wind		S. T. (°C)
HOG 7301	June 11 1734-1818	June 12 0311-0533	43-46	152-29	220	c	NNW	2	5.4
HOG 7302	12 1637-1721	13 0305-0535	44-34	154-35	60	f	SSW	2	5.8
HOG 7303	13 1804-1836	14 0427-0551	45-02	156-58	100	f	WSW	4	3.9
HOG 7304	14 1636-1719	15 0305-0512	46-44	156-59	40	f	SE	2	3.5
HOG 7305	15 1637-1717	16 0311-0540	45-57	154-27	225	b	ENE	1	5.1
HOG 7306	16 1639-1726	17 0318-0555	45-03	153-26	240	f	ENE	2	5.9
HOG 7307	17 1807-1833	18 0406-0527	44-57	151-21	210	f	NNE	5	5.4
HOG 7308	18 1650-1730	19 0316-0539	44-29	149-58	45	f	West	1	6.9
HOG 7309	July 1 1636-1720	July 2 0305-0524	52-30	150-30	230	f	North	4	5.6
HOG 7310	2 1646-1727	3 0350-0610	52-30	151-30	230	bc	NW	4	6.8
HOG 7311	3 1758-1835	4 0310-0550	52-24	152-30	90	b	West	3	7.2
HOG 7312	4 1800-1843	5 0308-0603	52-30	153-30	270	f	WNW	2	7.7
HOG 7313	5 1641-1703	6 0345-0534	52-25	154-30	260	f	SW	3	8.2
HOG 7314	6 1638-1716	7 0305-0618	53-30	155-30	270	o	SW	2	10.1
HOG 7315	7 1633-1715	8 0304-0522	52-28	155-29	270-320	b	Calm		11.4
HOG 7316	8 1633-1710	9 0308-0541	51-30	155-30	270	f	Calm		10.4
HOG 7317	9 1634-1716	10 0305-0637	53-00	155-00	270	f	North	3	9.6
HOG 7318	10 1827-1903	11 0308-0640	53-38	155-18	270	c	North	1	11.1
HOG 7319	11 1636-1712	12 0306-0621	53-38	155-12	270	r	Calm		11.4
HOG 7320	12 1903-1940	13 0305-0650	51-39	154-48	270	o	East	3	7.9
HOG 7321	28 1632-1711	29 0308-0518	52-30	150-30	290	o	SSE	3	10.8
HOG 7322	29 1630-1711	30 0306-0528	52-43	151-33	270-320	o	SW	1	11.4
HOG 7323	30 1634-1709	31 0305-0517	52-30	152-30	270	f	South	2	11.8
HOG 7324	31 1633-1708	Aug. 1 0302-0532	52-30	153-30	270	f	North	1	12.5
HOG 7325	Aug. 1 1629-1705	2 0328-0610	52-30	154-30	90	r	SW	3	11.6
HOG 7326	2 1645-1722	3 0303-0639	53-30	155-30	100	o	NW	3	13.0
HOG 7327	3 1632-1708	4 0300-0548	53-30	155-30	270	o	North	2	13.3
HOG 7328	4 1633-1709	5 0304-0533	52-21	155-27	120	bc	North	3	13.2
HOG 7329	5 1631-1706	6 0312-0530	51-30	155-30	260	bc	NW	2	10.4
HOG 7330	6 1630-1707	7 0302-0520	52-05	155-48	260	bc	Calm		11.8
HOG 7331	7 1631-1704	8 0259-0517	51-10	154-41	70	c	SE	3	10.4
HOG 7332	8 1631-1705	9 0312-0525	51-21	154-52	270	c	East	2	10.9

W$^{r}_{-}$: weather

S.T. : surface temperature

No. of F.	Amount of net cast (tan)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
2	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
3	3	3	3	3	3	3	3	3	3	3	15	15	15	15	-	90
4	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
5	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
6	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
7	3	3	3	3	3	3	3	3	3	3	15	15	15	15	-	90
8	3	3	3	3	3	3	3	3	3	3	30	30	30	30	-	150
9	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
10	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
11	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
12	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
13	3	3	3	3	3	3	3	3	3	3	-	15	15	15	15	90
14	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
15	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
16	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
17	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
18	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
19	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
20	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
21	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
22	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
23	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
24	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
25	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
26	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
27	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
28	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
29	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
30	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
31	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150
32	3	3	3	3	3	3	3	3	3	3	-	30	30	30	30	150

No. of F.	Sockeye salmon (catch number)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	-	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	1
6	0	0	0	0	0	0	0	0	0	0	2	3	2	0	-	7
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	-	1
9	0	0	0	0	0	0	0	0	0	0	-	2	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	-	0	2	4	0	6
11	0	0	0	0	0	0	0	0	0	0	-	2	3	5	5	15
12	0	0	0	0	0	0	0	0	0	0	-	2	3	1	5	11
13	0	0	0	1	0	0	0	1	2	1	-	0	5	5	4	19
14	0	0	0	1	0	0	0	1	1	1	-	10	7	5	11	37
15	0	0	0	0	2	0	0	2	0	0	-	3	4	7	6	24
16	0	1	0	0	0	1	1	1	2	0	-	11	7	10	13	47
17	0	0	1	0	0	0	0	1	2	1	-	5	4	12	13	39
18	0	0	0	0	1	0	2	0	2	0	-	12	5	15	6	43
19	0	0	1	0	0	0	1	0	1	0	-	7	7	7	9	33
20	0	0	1	0	0	0	0	0	1	1	-	7	9	10	7	36
21	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	-	0	0	1	1	2
26	0	0	0	0	0	0	0	0	0	1	-	0	1	0	1	3
27	0	0	0	0	0	0	0	0	0	0	-	1	5	0	1	7
28	0	0	0	0	0	0	0	2	1	1	-	10	3	14	12	43
29	1	1	0	0	5	5	5	1	1	6	-	29	16	24	26	120
30	0	0	0	1	2	1	1	4	1	1	-	25	20	15	27	98
31	0	0	2	1	2	1	5	1	4	3	-	20	8	25	28	100
32	0	0	2	1	0	1	0	0	3	0	-	11	13	7	21	59

No. of F.	Chum salmon (catch number)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	0	0	0	1	0	0	1	5	4	2	12	15	10	15	-	65
2	0	0	0	0	0	0	0	4	2	2	9	12	20	30	-	79
3	0	0	0	0	0	0	0	0	1	0	0	1	1	3	-	6
4	0	0	0	0	0	0	2	0	6	0	4	24	22	30	-	88
5	0	0	0	0	0	0	6	16	14	14	60	88	115	136	-	449
6	0	0	0	1	0	0	3	0	3	0	19	10	22	17	-	75
7	0	0	0	0	0	0	0	0	0	0	1	1	4	2	-	8
8	0	0	0	0	0	1	1	1	4	3	25	14	27	45	-	121
9	0	0	0	0	0	0	4	4	6	2	-	48	58	54	67	243
10	0	0	0	0	0	1	3	1	6	2	-	31	32	34	42	152
11	0	0	0	0	1	0	4	6	8	4	-	41	47	52	45	208
12	0	0	0	0	1	0	2	3	2	4	-	24	28	39	46	149
13	0	0	0	0	0	1	5	5	13	1	-	12	18	10	18	83
14	0	0	0	0	1	2	5	11	21	9	-	83	74	81	132	419
15	0	0	1	0	0	0	1	0	7	3	-	31	21	32	28	124
16	0	0	0	0	1	1	5	1	2	6	-	55	48	48	67	234
17	0	0	1	0	0	4	10	8	15	7	-	68	87	90	95	385
18	0	0	0	0	3	1	4	8	11	13	-	71	76	77	108	372
19	0	0	0	0	1	2	6	6	10	8	-	48	48	75	49	253
20	0	0	8	25	20	5	10	9	8	2	-	104	77	69	41	378
21	0	1	2	4	10	3	0	1	2	0	0	7	6	6	7	49
22	0	0	0	0	3	2	0	2	0	0	0	5	3	3	5	23
23	0	0	0	0	1	0	0	0	1	0	0	5	3	3	6	19
24	0	0	0	0	0	0	1	0	2	0	0	3	0	1	0	7
25	0	0	0	1	0	0	0	0	0	1	0	13	14	7	20	56
26	0	0	0	0	2	0	1	1	8	6	0	33	45	27	54	177
27	0	0	0	3	2	1	1	4	9	4	0	39	29	43	38	173
28	0	0	0	0	0	0	0	0	5	0	0	23	20	22	26	96
29	0	0	0	1	0	4	1	0	0	2	0	20	31	24	42	125
30	0	0	0	0	1	1	0	0	1	1	0	15	14	17	7	57
31	0	0	0	0	0	0	0	3	5	3	0	14	18	26	28	97
32	0	0	0	0	0	1	3	0	3	2	0	5	21	24	17	76

No. of F.	Pink salmon (catch number)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	0	1	2	23	83	108	94	24	0	0	419	330	299	99	0	1482
2	0	0	3	20	70	129	109	21	1	0	670	664	354	150	0	2191
3	0	0	0	2	8	46	47	6	0	0	76	106	61	46	0	398
4	0	0	0	0	2	17	18	3	0	0	68	123	74	28	0	333
5	0	0	0	1	19	23	9	4	0	0	142	133	91	57	0	479
6	0	0	0	2	6	77	61	3	1	1	557	351	265	156	0	1480
7	0	0	0	0	2	10	5	0	0	0	9	10	8	1	0	45
8	0	0	1	3	12	68	44	7	1	0	261	331	248	158	0	1134
9	1	0	2	1	5	11	7	1	0	0	-	80	70	42	24	244
10	0	0	1	2	6	28	28	6	0	0	-	153	114	76	57	471
11	0	0	2	3	25	63	65	26	0	0	-	425	373	238	200	1420
12	0	0	3	3	35	78	132	52	6	0	-	781	612	395	330	2427
13	0	3	8	10	52	95	131	85	22	1	-	564	473	315	256	2015
14	0	0	0	6	44	56	60	31	9	1	-	893	621	341	329	2391
15	0	3	0	0	1	8	8	2	0	0	-	21	23	27	6	99
16	0	0	1	1	0	13	30	21	4	0	-	168	161	87	119	605
17	0	1	0	3	20	64	63	17	10	3	-	644	672	366	488	2351
18	1	1	3	8	53	60	106	78	18	8	-	917	872	580	398	3103
19	0	0	0	10	32	76	101	59	11	4	-	529	527	376	291	2017
20	0	1	6	14	42	101	124	85	30	7	-	1272	1018	974	746	4420
21	0	0	0	0	1	2	8	6	2	1	-	60	54	67	46	247
22	0	0	0	0	1	7	14	8	2	1	-	99	103	59	47	342
23	0	0	0	1	1	12	19	13	4	1	-	148	116	110	75	501
24	0	0	0	2	5	38	17	9	5	2	-	302	254	274	215	1123
25	0	0	0	1	10	15	39	16	8	2	-	318	305	245	240	1199
26	0	0	1	1	6	49	97	50	17	10	-	543	438	323	394	1929
27	0	0	0	2	11	45	26	21	5	3	-	369	241	224	213	1160
28	0	0	0	1	0	11	15	6	0	0	-	120	125	70	65	413
29	0	0	0	2	1	4	5	0	0	0	-	64	65	32	39	212
30	0	0	0	0	0	4	8	0	0	0	-	24	9	11	5	61
31	0	0	0	0	1	7	14	5	1	0	-	59	37	37	34	195
32	0	0	0	0	0	4	4	2	1	0	-	17	28	18	16	91

No. of F.	Coho salmon (catch number)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
9	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	-	0	1	0	0	1
11	0	0	0	0	0	0	0	0	0	0	-	0	0	1	1	2
12	0	0	0	0	0	0	0	0	0	0	-	0	1	2	0	3
13	0	0	0	0	0	0	0	0	0	0	-	1	0	1	1	3
14	0	0	0	0	0	0	0	0	0	0	-	0	0	1	1	2
15	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	-	1	0	1	3	5
17	0	0	0	0	0	0	0	1	0	0	-	3	3	5	3	15
18	0	0	0	0	0	0	0	0	0	0	-	19	19	15	21	74
19	1	0	0	0	0	1	1	4	1	0	-	4	8	12	16	48
20	0	0	0	0	0	0	1	2	0	0	-	2	2	0	3	10
21	0	0	0	0	2	2	0	0	2	0	-	9	4	7	7	33
22	1	0	2	0	0	0	0	0	3	1	-	4	5	4	0	20
23	1	0	0	1	0	0	0	0	0	1	-	5	6	9	4	27
24	0	0	0	0	0	0	0	0	1	0	-	11	5	4	15	36
25	0	0	1	0	0	0	2	0	2	0	-	10	12	24	26	77
26	0	0	0	0	0	1	1	2	2	1	-	16	12	15	15	65
27	0	1	0	0	0	0	1	3	0	1	-	4	7	13	12	42
28	0	0	0	0	0	0	0	0	3	0	-	7	6	14	12	42
29	0	1	0	1	2	1	0	1	1	0	-	11	19	26	23	86
30	0	0	0	0	1	0	1	1	2	0	-	5	7	7	10	34
31	0	0	0	0	2	3	3	12	1	4	-	34	22	67	44	192
32	1	0	1	0	2	2	4	8	9	6	-	27	60	54	61	235

No. of F.	Chinook salmon (catch number)															
	48	55	63	72	82	93	106	121	138	157	109	112	115	121	124	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
9	0	0	0	0	0	0	0	0	0	1	-	0	0	2	0	3
10	0	0	0	0	0	0	0	0	0	0	-	2	0	0	1	3
11	0	0	0	1	0	0	0	0	0	0	-	0	0	0	1	2
12	0	0	0	0	0	0	0	0	0	0	-	0	1	1	1	3
13	0	0	0	0	0	0	0	0	0	0	-	0	1	0	0	1
14	0	0	0	0	0	0	0	0	0	0	-	1	2	0	2	5
15	0	0	0	0	0	0	0	0	0	0	-	3	1	3	1	8
16	0	0	0	0	0	0	0	0	0	0	-	1	2	5	1	9
17	0	0	0	0	0	0	0	0	0	0	-	3	2	2	0	7
18	0	0	0	0	0	0	0	0	0	0	-	3	1	1	1	6
19	0	0	0	0	0	0	0	0	0	0	-	2	0	1	1	4
20	0	0	0	0	0	0	0	0	0	0	-	0	1	4	0	5
21	0	1	0	0	0	0	0	0	0	0	-	1	1	2	0	5
22	0	0	0	0	0	0	0	0	0	1	-	3	1	2	0	7
23	0	0	0	0	0	0	0	0	0	0	-	1	1	0	2	4
24	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	-	0	1	1	1	3
26	0	0	0	0	0	0	0	0	0	0	-	2	3	1	3	9
27	0	0	0	0	0	0	0	0	0	0	-	0	1	1	0	2
28	0	0	0	0	0	0	0	0	0	0	-	1	2	1	3	7
29	0	0	0	0	0	0	0	0	0	0	-	1	5	3	1	10
30	0	0	0	0	0	0	0	0	0	0	-	1	0	1	1	3
31	0	0	0	0	0	0	0	0	1	0	-	0	2	2	2	7
32	0	0	0	0	0	0	0	0	0	0	-	1	0	0	0	1

No. of F.	Dolly varden Total	Steelhead trout Total	Walleye pollack Total	Squid Total	Salmon shark Total	Pacific lancetfish Total	Pacific herring Total	Yellowfin sole Total
1	0	0	0	11	0	0	0	0
2	0	0	0	18	1	1	0	0
3	0	0	0	4	0	0	0	0
4	0	0	0	0	0	1	0	0
5	0	0	0	0	0	2	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	7	0	2	0	0
9	3	0	41	0	0	0	0	0
10	75	0	5	26	1	0	0	0
11	27	1	21	29	0	0	0	0
12	50	0	58	4	1	0	0	0
13	20	0	2	3	0	0	0	0
14	98	1	212	0	0	0	5	0
15	3	2	0	2	0	0	0	0
16	110	2	334	1	1	0	0	0
17	38	0	19	0	0	0	0	0
18	25	0	47	0	0	0	0	3
19	18	0	9	0	0	0	4	0
20	10	0	67	1	0	0	0	0
21	6	0	9	1	0	0	0	0
22	9	0	0	2	0	0	0	0
23	12	0	2	0	0	0	0	0
24	36	0	0	0	0	0	0	0
25	38	0	3	3	0	0	1	0
26	94	0	6	0	0	0	0	0
27	131	0	8	0	2	0	0	0
28	29	0	1	0	0	0	0	0
29	71	0	303	0	1	0	0	0
30	66	0	0	0	1	0	0	0
31	11	0	159	2	0	0	0	0
32	11	1	44	0	0	0	0	0

Table 4 Biological characteristics of salmon

SOCKEYE SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G01	106-C	M	590	2520	12		0.5	1.23
G03	112	F	526	1880	25		1.3	1.29
G06	115	M	608	2700	13		0.5	1.20
		M	580	2360	10		0.4	1.21
	112	F	520	1620	19		1.2	1.15
		M	570	2460	11		0.4	1.33
	109	F	556	2260	33		1.5	1.31
		M	586	2520	23		0.9	1.25
G08	121	M	596	2620	14		0.5	1.24
G09	112	M	660	4300	75		1.8	1.50
		M	656	3800	43		1.1	1.35
G10	121	F	536	1880	47		2.6	1.22
		F	512	1900	68		3.7	1.42
		M	548	2500	24		1.0	1.52
	115	F	548	2000	78		4.1	1.22
G11	124	F	556	2300	97		4.4	1.34
		M	660	4200	80		1.9	1.46
		M	614	3300	34		1.0	1.43
		M	590	2500	39		1.6	1.22
	121	F	606	2860	115		4.2	1.29
		F	560	2040	230		12.7	1.16
		M	648	3900	53		1.4	1.43
	115	F	580	2520	81		3.3	1.29
		M	578	2540	65		2.6	1.32
		M	536	2320	21		0.9	1.51
	112	F	590	2700	110		4.2	1.31
	55-C	F	324	340	2		0.6	1.00
G12	138-C	M	586	2660	63		2.4	1.32
	124	F	600	2900	155		5.6	1.34
		F	580	2660	140		5.6	1.36
		M	600	2660	26		1.0	1.23
		M	550	2060	50		2.5	1.24
		M	510	1700	80		4.9	1.28
	121	M	530	1780	27		1.5	1.20
	115	F	596	2880	120		4.3	1.36
		M	610	3100	25		0.8	1.37
	112	F	628	3250	120		3.8	1.31
		F	578	2580	150		6.2	1.34
G13	157-C	M	556	2040	32		1.6	1.19
	138-C	M	660	3850	60		1.6	1.34
		M	580	2420	44		1.9	1.24
	124	F	604	3300	135		4.3	1.50
		F	590	2820	120		4.4	1.37
		M	624	3150	44		1.4	1.30
		M	614	3200	38		1.2	1.38
	121	M	624	3150	45		1.4	1.30
		M	584	2820	65		2.4	1.42
	115	F	600	3000	160		5.6	1.39
		F	578	2560	160		6.7	1.33
		M	590	2560	20		0.8	1.25
		M	494	1320	2		0.2	1.09
	112	F	536	2000	96		5.0	1.30
	72-C	M	530	1920	84		4.6	1.29
G14	157-C	M	602	3250	37		1.2	1.49
	138-C	M	530	1880	53		2.9	1.26
	124	F	610	2750	115		4.4	1.21
		F	566	2250	48		2.2	1.24
		F	544	1840	75		4.2	1.14
		M	642	3750	61		1.7	1.42
		M	514	1780	44		2.5	1.31
		M	500	1440	58		4.2	1.15
	121	F	586	3050	245		8.7	1.52
		F	574	2580	120		4.9	1.36
		M	654	3800	98		2.6	1.36
		M	586	2140	55		2.6	1.06
		M	578	2440	40		1.7	1.26
	121-C	M	512	1620	37		2.3	1.21
	115	F	570	2560	120		4.9	1.38
		F	564	2540	155		6.5	1.42
		F	560	2360	145		6.5	1.34
		M	650	3150	59		1.9	1.15
		M	648	3650	155		4.4	1.34
		M	576	2700	43		1.6	1.41
		M	570	2940	56		1.9	1.59
	112	F	598	2840	110		4.0	1.33
		F	588	2820	190		7.2	1.39
		F	584	2840	190		7.2	1.43
		F	580	2920	135		4.8	1.50
		M	600	2900	55		1.9	1.34
		M	578	2740	40		1.5	1.42
	72-C	M	392	680	32		4.9	1.13
G15	124	F	600	2700	77		2.9	1.25
		F	574	2500	110		4.6	1.32
		F	524	1900	94		5.2	1.32
		M	610	3050	68		2.3	1.34
		M	596	1650	80		5.1	0.78
		M	530	1900	52		2.8	1.28
	121	F	562	2240	99		4.6	1.26
		F	560	2360	160		7.3	1.34
		F	512	1820	105		6.1	1.36
		M	622	3220	54		1.7	1.34
		M	552	2060	55		2.7	1.22
		M	536	1880	56		3.1	1.22
	121-C	F	596	2380	125		5.5	1.12
		F	570	2260	120		5.6	1.22
	115	F	562	2400	80		3.4	1.35
		F	540	2180	68		3.2	1.38
		F	512	1580	83		5.5	1.18
		M	546	2100	19		0.9	1.29
		M	460	1180	46		4.1	1.21
		M	436	1040	46		4.6	1.25
	112	F	590	2200	97		4.6	1.07
		F	530	2800	78		2.9	1.88
	82-C	M	570	2600	64		2.5	1.40
		M	530	2020	61		3.1	1.36
G16	138-C	F	604	2750	67		2.5	1.25
		M	530	1820	172		10.4	1.22
	124	F	596	3000	190		6.8	1.42
		F	586	2500	145		6.2	1.24
		F	570	2700	160		6.3	1.46
		F	543	2140	160		8.1	1.34
		F	534	2080	100		5.1	1.37
		F	526	1920	110		6.1	1.32
		F	522	2000	52		2.7	1.41
		F	504	1700	72		4.4	1.33
		M	650	3800	62		1.7	1.38
		M	605	3150	58		1.9	1.42
		M	600	3300	87		2.7	1.53
		M	583	2720	24		0.9	1.37
		M	554	2120	75		3.7	1.25
		M	546	2340	50		2.2	1.44
		M	532	2060	37		1.8	1.37
	121	F	572	2440	85		3.6	1.30
		M	656	4000	53		1.3	1.42
		M	638	3500	100		2.9	1.35
		M	570	2520	35		1.4	1.36
		M	566	2240	53		2.4	1.24
		M	565	2440	62		2.6	1.35
		M	560	2300	70		3.1	1.31
		M	555	2060	60		3.0	1.21
		M	550	2040	52		2.6	1.23
		M	521	1500	92		6.5	1.06
	121-C	M	690	2840	42		1.5	0.86
	115	F	544	2140	100		4.9	1.33
		F	523	2000	68		3.5	1.40
		F	420	1060	160		17.8	1.43
		M	566	2340	6		0.3	1.29
		M	546	2220	55		2.5	1.36
		M	546	2000	58		3.0	1.23
		M	520	2000	54		2.8	1.42

SOCKEYE SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	505	1540	72		4.9	1.20
		M	400	920	48		5.5	1.44
	112	F	576	2620	92		3.6	1.37
		F	550	2460	97		4.1	1.48
		F	524	1920	155		8.8	1.33
		M	618	3400	43		1.3	1.44
		M	563	2540	66		2.7	1.42
		M	560	2480	45		1.8	1.41
		M	513	1840	66		3.7	1.36
		M	510	1640	55		3.5	1.24
		M	508	1800	94		5.5	1.37
		M	491	1500	65		4.5	1.27
		M	483	1520	83		5.8	1.35
	106-C	F	590	2840	100		3.6	1.38
	93-C	F	542	1960	115		6.2	1.23
	55-C	M	632	3350	110		3.4	1.33
G17	157-C	M	640	4050	87		2.2	1.54
	138-C	F	580	2400	100		4.3	1.23
		M	640	3200	56		1.8	1.22
	124	F	680	2800	115		4.3	0.89
		F	616	3250	160		5.2	1.39
		F	594	3050	145		5.0	1.46
		F	554	2900	150		5.5	1.71
		M	654	3700	100		2.8	1.32
		M	580	2500	48		2.0	1.28
		M	560	2500	71		2.9	1.42
		M	550	2480	84		3.5	1.49
		M	546	1920	48		2.6	1.18
		M	540	2180	50		2.3	1.38
		M	536	2180	57		2.7	1.42
	121	F	590	2740	150		5.8	1.33
		F	586	3000	170		6.0	1.49
		F	584	2900	140		5.1	1.46
		F	576	2600	160		6.6	1.36
		F	570	2320	100		4.5	1.25
		F	562	2500	140		5.9	1.41
		F	544	1920	120		6.7	1.19
		F	542	2040	125		6.5	1.28
		M	652	4000	96		2.5	1.44
		M	644	4000	44		1.1	1.50
		M	624	4000	82		2.1	1.65
		M	604	3200	24		0.8	1.45
		M	600	3000	32		1.1	1.39
		M	600	3000	30		1.0	1.39
		M	600	2880	47		1.7	1.33
		M	550	2500	54		2.2	1.50
		M	550	2260	66		3.0	1.36
	121-C	M	624	3650	57		1.6	1.50
	115	F	594	2700	125		4.9	1.29
		F	586	2840	180		6.8	1.41
		F	584	2720	200		7.9	1.37
		M	620	3000	92		3.2	1.26
		M	616	3550	74		2.1	1.52
		M	474	1400	39		2.9	1.31
	112	F	600	3250	185		6.0	1.50
		F	548	2260	115		5.4	1.37
		F	526	2220	100		4.7	1.53
		M	588	3000	63		2.1	1.48
	63-C	F	586	2520	255		11.3	1.25
G18	138-C	F	579	2400	190		8.6	1.28
	124	F	588	2860	165		6.1	1.41
		F	585	2720	200		7.9	1.36
		F	572	2620	155		6.3	1.40
		F	565	2500	155		6.6	1.39
		F	546	2000	155		8.4	1.23
		M	616	3350	62		1.9	1.43
		M	614	3400	53		1.6	1.47
		M	600	2820	75		2.7	1.31
		M	600	2700	145		5.7	1.25
	121	F	584	2640	245		10.2	1.33

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	580	2640	165		6.7	1.35
		F	580	2620	190		7.8	1.34
		F	576	2700	195		7.8	1.41
		F	574	2840	175		6.6	1.50
		F	546	2280	120		5.6	1.40
		F	544	2000	62		3.2	1.24
		F	530	1780	86		5.1	1.20
		F	526	2120	64		3.1	1.46
		M	650	4050	63		1.6	1.47
		M	648	3550	54		1.5	1.30
		M	635	3600	98		2.8	1.41
		M	634	3150	32		1.0	1.24
		M	620	3150	175		5.9	1.32
		M	613	3250	44		1.4	1.41
		M	561	2300	50		2.2	1.30
		M	510	1960	52		2.7	1.48
	121-C	M	590	2160	50		2.4	1.05
	115	F	600	2820	110		4.1	1.31
		F	598	2980	185		6.6	1.39
		F	593	2620	140		5.6	1.26
		F	590	2980	180		6.4	1.45
		F	582	2260	170		8.1	1.15
		M	634	3550	30		0.9	1.39
	112	F	603	3100	185		6.3	1.41
		F	588	2880	185		6.9	1.42
		F	582	3050	185		6.5	1.55
		F	536	1920	100		5.5	1.25
		F	532	1900	90		5.0	1.26
		F	530	2020	82		4.2	1.36
		M	640	3400	65		1.9	1.30
		M	637	4150	84		2.1	1.61
		M	620	3850	72		1.9	1.62
		M	618	3150	85		2.8	1.33
		M	603	3000	60		2.0	1.37
		M	580	2660	60		2.3	1.36
		M	537	2100	120		6.1	1.36
	106-C	F	576	2600	145		5.9	1.36
		F	528	2160	140		6.9	1.47
	82-C	F	526	1880	98		5.5	1.29
		F	512	1760	115		7.0	1.31
G19	138-C	M	634	3650	47		1.3	1.43
	124	F	616	3150	250		8.6	1.35
		F	584	3050	165		5.7	1.53
		F	580	2700	77		2.9	1.38
		F	580	2540	120		5.0	1.30
		F	572	2840	205		7.8	1.52
		F	568	3000	130		4.5	1.64
		F	538	1980	150		8.2	1.27
		F	530	2020	97		5.0	1.36
		M	626	3450	76		2.3	1.41
		M	568	2500	62		2.5	1.36
		M	546	2660	72		2.8	1.63
		M	530	2100	84		4.2	1.41
	121	F	580	2600	150		6.1	1.33
		F	572	2580	100		4.0	1.38
		F	568	2580	150		6.2	1.41
		F	530	1660	110		7.1	1.12
		M	650	3800	82		2.2	1.38
		M	640	3800	60		1.6	1.45
		M	564	2420	74		3.2	1.35
		M	510	1600	50		3.2	1.21
		M	470	1500	46		3.2	1.44
	121-C	M	558	2400	55		2.3	1.38
	115	F	600	2820	200		7.6	1.31
		F	590	2980	155		5.5	1.45
		F	574	2520	185		7.9	1.33
		F	562	2100	140		7.1	1.18
		F	550	2140	84		4.1	1.29
		M	688	4200	100		2.4	1.29
		M	660	3650	32		0.9	1.27

SOCKEYE SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	556	2320	49		2.2	1.35			F	590	2820	160		6.0	1.37
		M	504	1560	45		3.0	1.22			F	586	3000	180		6.4	1.49
		M	490	1500	42		2.9	1.27			F	586	2580	150		6.2	1.28
		M	404	710	1		0.1	1.08			F	584	2680	110		4.3	1.35
	121-C	F	589	2900	135		4.9	1.42			F	570	2460	135		5.8	1.33
		F	556	2220	140		6.7	1.29			F	564	2560	98		4.0	1.43
		F	549	2300	115		5.3	1.39			F	546	2100	110		5.5	1.29
		M	596	2840	49		1.8	1.34			M	650	3800	58		1.5	1.38
	115	F	610	2980	145		5.1	1.31			M	628	3100	52		1.7	1.25
		F	610	2880	97		3.5	1.27			M	626	3550	62		1.8	1.45
		F	608	3100	135		4.6	1.38			M	624	3500	73		2.1	1.44
		F	606	2760	115		4.3	1.24			M	604	3600	58		1.6	1.63
		F	600	3000	120		4.2	1.39			M	600	3100	71		2.3	1.44
		F	600	2980	130		4.6	1.38			M	584	2440	46		1.9	1.23
		F	600	2680	105		4.1	1.24			M	580	2560	32		1.3	1.31
		F	588	2500	140		5.9	1.23			M	556	2260	52		2.4	1.31
		F	570	2500	99		4.1	1.35			M	530	1920	75		4.1	1.29
		F	556	2340	79		3.5	1.36			M	522	1920	66		3.6	1.35
		F	540	2260	100		4.6	1.44			M	510	1840	38		2.1	1.39
		F	520	1680	155		10.2	1.19		121	F	614	3050	185		6.5	1.32
		M	660	3350	67		2.0	1.17			F	610	3000	145		5.1	1.32
		M	650	3350	47		1.4	1.22			F	608	2920	200		7.4	1.30
		M	564	2280	42		1.9	1.27			F	606	2680	195		7.8	1.20
		M	526	1780	29		1.7	1.22			F	604	3350	140		4.4	1.52
		M	506	1720	45		2.7	1.33			F	600	2820	145		5.4	1.31
		M	488	1120	42		3.9	0.96			F	600	2720	210		8.4	1.26
	112	F	632	3150	115		3.8	1.25			F	596	2820	150		5.6	1.33
		F	610	3200	130		4.2	1.41			F	580	2640	100		3.9	1.35
		F	610	2580	145		6.0	1.14			F	576	2700	96		3.7	1.41
		F	608	2780	110		4.1	1.24			F	558	2240	115		5.4	1.29
		F	606	2880	115		4.2	1.29			F	556	2600	150		6.1	1.51
		F	600	2880	170		6.3	1.33			F	540	1940	92		5.0	1.23
		F	600	2820	145		5.4	1.31			F	496	1600	120		8.1	1.31
		F	600	2720	115		4.4	1.26			M	636	3150	90		2.9	1.22
		F	594	2680	150		5.9	1.28			M	622	3150	59		1.9	1.31
		F	566	2280	120		5.6	1.26			M	600	2740	95		3.6	1.27
		F	564	2380	94		4.1	1.33			M	588	2360	55		2.4	1.16
		F	546	2180	93		4.5	1.34			M	576	2640	60		2.3	1.38
		F	546	1980	105		5.6	1.22			M	576	2500	63		2.6	1.31
		F	518	2220	71		3.3	1.60			M	572	2600	38		1.5	1.39
		M	668	3850	97		2.6	1.29			M	500	1560	69		4.6	1.25
		M	632	3400	125		3.8	1.35			M	496	1580	67		4.4	1.29
		M	614	2260	33		1.5	0.98			M	450	1200	37		3.2	1.32
		M	600	3050	78		2.6	1.41		121-C	F	610	3000	135		4.7	1.32
		M	596	2800	84		3.1	1.32		115	F	606	2900	155		5.6	1.30
		M	580	2500	57		2.3	1.28			F	594	2680	130		5.1	1.28
		M	570	2180	42		2.0	1.18			F	592	2700	115		4.4	1.30
		M	506	1460	38		2.7	1.17			F	590	2640	150		6.0	1.29
		M	426	1040	71		7.3	1.35			F	570	2400	94		4.1	1.30
		M	400	780	55		7.6	1.22			F	564	2220	87		4.1	1.24
	106-C	M	440	1160	58		5.3	1.36			F	554	2080	86		4.3	1.22
	93-C	M	418	1000	53		5.6	1.37			F	546	1880	97		5.4	1.15
		M	416	860	54		6.7	1.19			F	536	1980	64		3.3	1.29
	82-C	F	534	2080	86		4.3	1.37			F	528	1720	68		4.1	1.17
		F	432	1000	58		6.2	1.24			M	614	2780	62		2.3	1.20
	72-C	F	546	2100	79		3.9	1.29			M	552	2180	48		2.3	1.30
G31	157-C	F	596	3000	240		8.7	1.42			M	430	1080	33		3.2	1.36
		F	594	2800	160		6.1	1.34		112	F	618	3000	140		4.9	1.27
		M	624	3200	58		1.8	1.32			F	598	2780	155		5.9	1.30
	138-C	F	602	2850	145		5.4	1.31			F	596	2760	125		4.7	1.30
		F	590	2600	105		4.2	1.27			F	596	2540	130		5.4	1.20
		F	580	2700	140		5.5	1.38			F	584	2300	180		8.5	1.15
		M	630	3100	61		2.0	1.24			F	580	2880	150		5.5	1.48
		M	592	2750	62		2.3	1.33			F	578	2500	150		6.4	1.29
	124	F	636	3200	170		5.6	1.24			F	546	2000	65		3.4	1.23
		F	628	2940	195		7.1	1.19			F	532	2120	125		6.3	1.41
		F	604	2800	155		5.9	1.27			F	510	1580	155		10.9	1.19
		F	600	3000	160		5.6	1.39			F	500	1440	140		10.8	1.15
		F	596	3050	210		7.4	1.44			M	606	3150	45		1.4	1.42
		F	596	2820	145		5.4	1.33			M	600	3000	66		2.2	1.39

SOCKEYE SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	564	2220	43		2.0	1.24
		M	550	2600	68		2.7	1.56
		M	518	1900	60		3.3	1.37
		M	484	1340	23		1.7	1.18
		M	440	1240	49		4.1	1.46
	106-C	F	526	1920	120		6.7	1.32
		M	460	1280	73		6.0	1.32
		M	440	1080	47		4.5	1.27
		M	430	920	44		5.0	1.16
	82-C	F	604	2700	105		4.0	1.23
		F	576	2340	120		5.4	1.22
		M	414	820	56		7.3	1.16
	72-C	M	606	3150	77		2.5	1.42
	63-C	F	586	2350	140		6.3	1.17
		M	614	2950	78		2.7	1.27
G32	157-C	M	656	3350	47		1.4	1.19
	138-C	F	614	3000	115		4.0	1.30
		F	590	2450	105		4.5	1.19
		M	560	2260	36		1.6	1.29
		M	420	960	39		4.2	1.30
	124	F	655	3300	230		7.5	1.17
		F	630	2150	155		7.8	0.86
		F	618	3200	150		4.9	1.36
		F	616	3250	130		4.2	1.39
		F	610	2920	115		4.1	1.29
		F	610	2700	195		7.8	1.19
		F	600	2820	110		4.1	1.31
		F	583	2200	80		3.8	1.11
		F	578	2820	160		6.0	1.46
		F	572	2620	38		1.5	1.40
		F	552	2040	77		3.9	1.21
		M	632	3100	54		1.8	1.23
		M	600	2740	72		2.7	1.27
		M	593	2600	42		1.6	1.25
		M	583	2300	43		1.9	1.16
		M	580	2820	55		2.0	1.45
		M	516	1660	35		2.2	1.21
		M	458	1220	111		10.0	1.27
	121	F	620	3100	130		4.4	1.30
		F	585	2100	140		7.1	1.05
		F	580	2320	150		6.9	1.19
		F	548	2000	115		6.1	1.22
		F	535	1860	105		6.0	1.21
		M	664	3600	39		1.1	1.23
		M	574	2740	55		2.0	1.45
		M	553	2400	40		1.7	1.42
		M	453	1160	90		8.4	1.25
	121-C	M	468	1300	89		7.3	1.27
	115	F	622	3300	230		7.5	1.37
		F	590	3100	105		3.5	1.51
		F	582	2640	98		3.9	1.34
		F	566	2140	110		5.4	1.18
		F	564	2380	110		4.8	1.33
		F	550	2220	110		5.2	1.33
		M	650	3500	70		2.0	1.27
		M	514	1680	42		2.6	1.24
	112	F	620	3100	100		3.3	1.30
		F	600	2700	130		5.1	1.25
		F	558	2040	80		4.1	1.17
		F	550	1900	150		8.6	1.14
		F	525	1820	120		7.1	1.26
		M	673	4400	92		2.1	1.44
		M	633	3550	90		2.6	1.40
		M	626	3300	50		1.5	1.35
		M	618	3050	48		1.6	1.29
		M	554	2400	35		1.5	1.41
		M	540	1820	48		2.7	1.16
		M	507	1700	70		4.3	1.30
		M	488	1500	65		4.5	1.29
	106-C	M	426	960	56		6.2	1.24
	93-C	F	510	1720	56		3.4	1.30
	63-C	F	544	2060	62		3.1	1.28
		F	502	1660	62		3.9	1.31

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G01	157-C	M	577	2660	32		1.2	1.38
		M	550	2300	17		0.7	1.38
	138-C	F	597	2500	52		2.1	1.37
		F	530	2020	60		3.1	1.36
		F	570	2460	4		0.2	1.33
		F	560	2320	43		1.9	1.32
	121	F	600	2620	37		1.4	1.21
		F	585	2940	92		3.2	1.47
		F	562	2480	78		3.2	1.40
		F	540	1940	65		3.5	1.23
		F	539	1840	30		1.7	1.18
		F	538	1980	45		2.3	1.27
		F	534	1700	30		1.8	1.12
		F	530	1900	35		1.9	1.28
		M	596	2340	8		0.3	1.11
		M	578	2520	67		2.7	1.31
		M	576	2620	47		1.8	1.37
		M	570	2700	20		0.7	1.46
		M	570	1920	42		2.2	1.04
		M	560	2540	15		0.6	1.45
		M	560	2220	6		0.3	1.26
		M	555	2160	10		0.5	1.26
		M	520	1920	5		0.3	1.37
		M	487	1480	5		0.3	1.28
		M	480	1520	15		1.0	1.37
		M	470	1280	3		0.2	1.23
	115	F	572	2320	34		1.5	1.24
		F	560	2520	78		3.2	1.43
		F	553	2100	46		2.2	1.24
		F	550	2100	52		2.5	1.26
		F	540	2020	50		2.5	1.28
		F	536	1860	63		3.5	1.21
		M	593	2820	43		1.5	1.35
		M	580	2660	38		1.4	1.36
		M	567	2540	65		2.6	1.39
		M	560	2380	43		1.8	1.36
	112	F	570	2500	75		3.1	1.35
		F	565	2440	52		2.2	1.35
		F	557	2240	87		4.0	1.30
		F	547	2040	34		1.7	1.25
		F	544	2060	40		2.0	1.28
		F	530	1900	48		2.6	1.28
		F	503	1440	12		0.8	1.13
		M	600	3000	48		1.6	1.39
		M	580	2500	30		1.2	1.28
		M	576	2180	16		0.7	1.14
		M	574	2480	62		2.6	1.31
		M	568	1680	47		2.9	0.92
		M	562	2460	52		2.2	1.39
		M	555	2220	35		1.6	1.30
		M	540	1700	5		0.3	1.08
		M	530	2120	32		1.5	1.42
		M	520	1760	14		0.8	1.25
	109	F	580	2640	96		3.8	1.35
		F	580	2640	40		1.5	1.35
		F	572	2080	21		1.0	1.11
		F	570	2440	63		2.7	1.32
		F	550	2180	54		2.5	1.31
		F	550	2160	36		1.7	1.30
		F	543	1960	57		3.0	1.22
		F	537	2080	40		2.0	1.34
		F	526	1720	55		3.3	1.18
		F	514	1600	35		2.2	1.18
		F	500	1600	43		2.8	1.28
		M	568	2580	55		2.2	1.41
		M	545	2240	25		1.1	1.38
	106-C	F	540	2080	47		2.3	1.32
		F	495	1360	11		0.8	1.12
		M	542	1860	3		0.2	1.17
	72-C	M	588	3050	18		0.6	1.50

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G02	157-C	F	560	2040	24		1.2	1.16
		F	535	2060	40		2.0	1.35
	138-C	F	540	2220	110		5.2	1.41
		M	560	2120	22		1.0	1.21
		M	528	2000	30		1.5	1.36
	121	F	610	2980	101		3.5	1.31
		F	600	1960	210		12.0	0.91
		F	594	3250	170		5.5	1.55
		F	590	2720	104		4.0	1.32
		F	586	2760	150		5.7	1.37
		F	584	2440	34		1.4	1.23
		F	580	2340	30		1.3	1.20
		F	568	2560	145		6.0	1.40
		F	566	2320	40		1.8	1.28
		F	564	2720	100		3.8	1.52
		F	562	2540	107		4.4	1.43
		F	548	2140	56		2.7	1.30
		F	548	2040	28		1.4	1.24
		F	532	2120	57		2.8	1.41
		F	530	1960	80		4.3	1.32
		F	512	1420	12		0.9	1.06
		M	640	4020	15		0.4	1.53
		M	592	2840	10		0.4	1.37
		M	574	2680	28		1.1	1.42
		M	570	2580	50		2.0	1.39
		M	562	2320	27		1.2	1.31
		M	560	2580	105		4.2	1.47
		M	558	1780	18		1.0	1.02
		M	556	2420	102		4.4	1.41
		M	552	1980	46		2.4	1.18
		M	552	1860	5		0.3	1.11
		M	544	1980	48		2.5	1.23
		M	532	2060	38		1.9	1.37
		M	524	2660	10		0.4	1.85
		M	512	1540	10		0.7	1.15
	121-C	F	595	2780	34		1.2	1.32
		F	578	2480	96		4.0	1.28
		M	545	2220	16		0.7	1.37
		M	500	1760	10		0.6	1.41
	115	F	570	2580	145		6.0	1.39
		F	560	2320	46		2.0	1.32
		F	550	2480	53		2.2	1.49
		F	550	2280	92		4.2	1.37
		F	550	1920	20		1.1	1.15
		F	540	2220	93		4.4	1.41
		F	505	1380	150		12.2	1.07
		M	580	2680	15		0.6	1.37
		M	580	2580	60		2.4	1.32
		M	570	2480	11		0.4	1.34
		M	560	2520	76		3.1	1.43
		M	560	2180	24		1.1	1.24
		M	540	1980	5		0.3	1.26
		M	530	2140	3		0.1	1.44
		M	515	1680	3		0.2	1.23
		M	490	1460	5		0.3	1.24
	112	F	557	2460	60		2.5	1.42
		F	557	2460	60		2.5	1.42
		F	557	2440	40		1.7	1.41
		F	557	2380	57		2.5	1.38
		F	557	2340	55		2.4	1.35
		F	556	2440	57		2.4	1.42
		F	550	2440	43		1.8	1.47
		F	550	1980	45		2.3	1.19
		F	530	1720	73		4.4	1.16
		F	520	1580	77		5.1	1.12
		M	602	2920	10		0.3	1.34
		M	570	2620	5		0.2	1.41
		M	556	2820	38		1.4	1.64
		M	550	2060	10		0.5	1.24
		M	550	1980	13		0.7	1.19

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	520	2360	55		2.4	1.68
		M	510	1640	5		0.3	1.24
		M	500	1620	7		0.4	1.30
	109	F	580	2820	105		3.9	1.45
		F	570	2680	85		3.3	1.45
		F	540	2040	40		2.0	1.30
		F	540	2020	53		2.7	1.28
		M	600	2960	5		0.2	1.37
		M	590	3450	61		1.8	1.68
		M	540	2020	7		0.3	1.28
		M	500	1460	3		0.2	1.17
	106-C	M	534	2100	85		4.2	1.38
G03	138-C	M	628	3450	25		0.7	1.39
	121	F	610	2820	30		1.1	1.24
		M	661	4200	170		4.2	1.45
		M	522	1680	3		0.2	1.18
	115	M	495	1560	18		1.2	1.29
	112	F	472	2900	120		4.3	2.76
G04	138-C	F	590	2820	165		6.2	1.37
		F	574	2740	140		5.4	1.45
		M	590	2700	25		0.9	1.31
		M	576	2760	32		1.2	1.44
		M	570	2420	125		5.4	1.31
		M	538	2000	65		3.4	1.28
	121	F	646	3150	92		3.0	1.17
		F	614	3250	93		2.9	1.40
		F	608	3000	60		2.0	1.33
		F	594	2920	200		7.4	1.39
		F	582	2500	150		6.4	1.27
		F	580	2680	115		4.5	1.37
		F	580	2640	50		1.9	1.35
		F	572	2700	115		4.4	1.44
		F	570	2520	96		4.0	1.36
		F	564	2900	65		2.3	1.62
		F	560	2060	125		6.5	1.17
		F	554	2500	155		6.6	1.47
		F	552	2360	120		5.4	1.40
		F	550	2320	80		3.6	1.39
		F	542	2300	180		8.5	1.44
		F	538	1900	54		2.9	1.22
		F	536	1920	26		1.4	1.25
		F	530	1960	77		4.1	1.32
		F	520	1720	7		0.4	1.22
		M	652	3950	140		3.7	1.43
		M	630	3650	21		0.6	1.46
		M	594	2800	110		4.1	1.34
		M	590	2780	50		1.8	1.35
		M	576	2980	13		0.4	1.56
		M	576	2400	45		1.9	1.26
		M	560	2880	40		1.4	1.64
		M	548	2360	15		0.6	1.43
		M	534	2040	110		5.7	1.34
		M	530	1960	25		1.3	1.32
		M	500	1480	4		0.3	1.18
	115	F	680	4020	34		0.9	1.28
		F	630	3500	38		1.1	1.40
		F	604	2900	42		1.5	1.32
		F	590	2920	150		5.4	1.42
		F	582	2840	165		6.2	1.44
		F	570	2960	150		5.3	1.60
		F	570	2920	26		0.9	1.58
		F	570	2720	95		3.6	1.47
		F	570	2500	22		0.9	1.35
		F	564	2120	57		2.8	1.18
		F	542	2020	155		8.3	1.27
		F	534	1940	62		3.3	1.27
		F	526	2100	100		5.0	1.44
		M	606	2920	96		3.4	1.31
		M	586	2740	63		2.4	1.36
		M	572	2400	73		3.1	1.28
		M	560	2360	20		0.9	1.34
		M	538	2540	39		1.6	1.63
		M	528	2100	160		8.2	1.43
		M	536	2080	15		0.7	1.35
		M	510	1800	5		0.3	1.36
		M	496	1440	4		0.3	1.18
	112	F	604	3200	150		4.9	1.45
		F	604	3200	150		4.9	1.45
		F	594	2940	160		5.8	1.40
		F	586	2620	145		5.9	1.30
		F	572	2440	40		1.7	1.30
		F	570	2640	180		7.3	1.43
		F	570	2300	22		1.0	1.24
		F	564	2520	160		6.8	1.40
		F	554	2560	130		5.3	1.51
		F	534	2100	42		2.0	1.38
		F	520	1860	60		3.3	1.32
		F	506	1660	16		1.0	1.28
		F	506	1640	98		6.4	1.27
		F	500	1640	63		4.0	1.31
		M	610	3550	82		2.4	1.56
		M	606	3250	100		3.2	1.46
		M	604	3150	32		1.0	1.43
		M	570	2880	105		3.8	1.56
		M	564	1940	10		0.5	1.08
		M	558	2520	65		2.6	1.45
		M	546	2420	93		4.0	1.49
		M	536	2000	10		0.5	1.30
		M	534	2240	18		0.8	1.47
	109	F	590	2960	165		5.9	1.44
		F	570	2260	73		3.3	1.22
		F	570	2140	105		5.2	1.16
		F	570	2020	82		4.2	1.09
		F	568	2560	100		4.1	1.40
		F	530	2020	100		5.2	1.36
	106-C	F	560	2480	100		4.2	1.41
		F	540	2100	35		1.7	1.33
G05	157-C	F	630	3800	53		1.4	1.52
		F	594	2900	96		3.4	1.38
		F	590	2740	130		5.0	1.33
		F	576	2800	90		3.3	1.47
		F	572	2540	90		3.7	1.36
		F	570	2740	150		5.8	1.48
		M	620	3400	115		3.5	1.43
		M	620	2900	12		0.4	1.22
		M	610	3650	94		2.6	1.61
		M	610	3050	49		1.6	1.34
		M	606	3100	100		3.3	1.39
		M	594	3250	45		1.4	1.55
		M	570	2660	52		2.0	1.44
		M	564	2840	50		1.8	1.58
	138-C	F	624	3200	42		1.3	1.32
		F	590	2940	130		4.6	1.43
		F	570	2260	36		1.6	1.22
		F	564	2900	135		4.9	1.62
		F	564	2540	85		3.5	1.42
		F	556	2260	140		6.6	1.31
		F	546	2500	125		5.3	1.54
		M	622	3100	12		0.4	1.29
		M	620	3800	160		4.4	1.59
		M	604	3250	115		3.7	1.47
		M	600	2760	28		1.0	1.28
		M	594	2960	38		1.3	1.41
		M	564	2600	95		3.8	1.45
	121	F	590	2700	145		5.7	1.31
		F	584	2800	130		4.9	1.41
		F	568	2660	92		3.6	1.45
		F	560	2440	125		5.4	1.39
		F	546	2340	87		3.9	1.44
		F	546	2200	63		2.9	1.35

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	544	2320	100		4.5	1.44
		F	540	2280	83		3.8	1.45
		F	530	2080	85		4.3	1.40
		M	632	3700	15		0.4	1.47
		M	600	3500	50		1.4	1.62
		M	580	3050	87		2.9	1.56
		M	550	2380	105		4.6	1.43
		M	550	2040	8		0.4	1.23
		M	518	1500	8		0.5	1.08
	121-C	F	614	3150	90		2.9	1.36
		F	610	2840	120		4.4	1.25
		F	600	2900	120		4.3	1.34
		F	596	3000	92		3.2	1.42
		F	588	3050	70		2.3	1.50
		F	588	2700	95		3.6	1.33
		F	580	2780	140		5.3	1.42
		F	580	2620	180		7.4	1.34
		F	574	2980	95		3.3	1.58
		F	570	2480	125		5.3	1.34
		F	554	2620	160		6.5	1.54
		F	554	2460	120		5.1	1.45
		F	550	2520	105		4.3	1.51
		F	530	2120	34		1.6	1.42
		F	526	2100	96		4.8	1.44
		M	600	2820	62		2.2	1.31
		M	582	2600	17		0.7	1.32
		M	580	2840	40		1.4	1.46
		M	580	2500	115		4.8	1.28
		M	574	2860	72		2.6	1.51
		M	570	2660	50		1.9	1.44
		M	568	2600	40		1.6	1.42
		M	566	2700	70		2.7	1.49
		M	558	2360	80		3.5	1.36
		M	554	2640	65		2.5	1.55
		M	544	2160	78		3.7	1.34
		M	530	2240	73		3.4	1.50
		M	530	1940	4		0.2	1.30
		M	526	2260	40		1.8	1.55
	115	F	614	2960	35		1.2	1.28
		F	610	2920	32		1.1	1.29
		F	586	2820	200		7.6	1.40
		F	584	2820	140		5.2	1.42
		F	576	2800	160		6.1	1.47
		F	572	2360	80		3.5	1.26
		F	570	2560	88		3.6	1.38
		F	570	2520	96		4.0	1.36
		F	566	2460	100		4.2	1.36
		F	566	2380	105		4.6	1.31
		F	564	2520	98		4.0	1.40
		F	564	2460	120		5.1	1.37
		F	558	2460	140		6.0	1.42
		F	554	2440	84		3.6	1.44
		F	552	2300	66		3.0	1.37
		F	550	2560	100		4.1	1.54
		F	550	2200	100		4.8	1.32
		F	546	2500	115		4.8	1.54
		F	546	2400	105		4.6	1.47
		F	538	2100	76		3.8	1.35
		M	584	2960	82		2.8	1.49
		M	574	2560	78		3.1	1.35
		M	570	2840	45		1.6	1.53
		M	562	1740	6		0.3	0.98
		M	560	2440	58		2.4	1.39
		M	560	2420	73		3.1	1.38
		M	558	2640	99		3.9	1.52
		M	532	2060	27		1.3	1.37
		M	530	2260	46		2.1	1.52
		M	500	1440	5		0.3	1.15
	112	F	614	3000	42		1.4	1.30
		F	596	3050	145		5.0	1.44

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	590	3000	92		3.2	1.46
		F	586	2520	115		4.8	1.25
		F	580	2920	120		4.3	1.50
		F	578	2880	170		6.3	1.49
		F	576	2760	180		7.0	1.44
		F	570	2600	85		3.4	1.40
		F	566	2640	98		3.9	1.46
		F	556	2360	96		4.2	1.37
		F	556	2260	95		4.4	1.31
		F	552	2380	100		4.4	1.42
		F	526	2040	120		6.2	1.40
		F	524	2040	140		7.4	1.42
		F	524	2020	72		3.7	1.40
		M	596	3100	42		1.4	1.46
		M	594	3150	67		2.2	1.50
		M	582	2660	55		2.1	1.35
		M	580	2560	20		0.8	1.31
		M	574	2700	50		1.9	1.43
		M	574	2680	30		1.1	1.42
		M	570	2680	94		3.6	1.45
		M	570	2480	47		1.9	1.34
		M	564	2420	57		2.4	1.35
		M	564	2380	72		3.1	1.33
		M	562	2480	56		2.3	1.40
		M	560	2560	50		2.0	1.46
		M	542	2300	52		2.3	1.44
		M	526	2020	45		2.3	1.39
		M	510	1620	12		0.7	1.22
	109	F	610	2960	130		4.6	1.30
		F	590	2780	97		3.6	1.35
		F	584	2940	95		3.3	1.48
		F	580	2560	145		6.0	1.31
		F	576	2760	115		4.3	1.44
		F	572	2700	150		5.9	1.44
		F	570	2720	175		6.9	1.47
		F	564	2420	120		5.2	1.35
		F	562	2840	97		3.5	1.60
		F	556	2040	85		4.3	1.19
		F	550	2500	36		1.5	1.50
		F	550	2300	120		5.5	1.38
		F	546	2340	105		4.7	1.44
		F	546	2320	53		2.3	1.43
		F	542	1960	18		0.9	1.23
		F	540	2300	50		2.2	1.46
		F	530	1960	35		1.8	1.32
		F	500	1440	83		6.1	1.15
		F	496	1420	42		3.0	1.16
		M	600	3250	95		3.0	1.50
		M	600	3200	92		3.0	1.48
		M	596	2760	32		1.2	1.30
		M	576	2800	35		1.3	1.47
		M	564	2800	80		2.9	1.56
		M	564	2420	34		1.4	1.35
		M	564	2340	30		1.3	1.30
		M	560	2480	95		4.0	1.41
		M	560	2400	50		2.1	1.37
		M	550	2600	46		1.8	1.56
		M	520	2140	27		1.3	1.52
	106-C	F	560	2460	72		3.0	1.40
		F	540	2340	120		5.4	1.49
		M	604	3400	49		1.5	1.54
		M	574	2800	54		2.0	1.48
		M	556	2520	38		1.5	1.47
		M	510	1660	16		1.0	1.25
G06	157-C	M	600	2760	83		3.1	1.28
	138-C	F	560	2500	95		4.0	1.42
		F	520	1880	42		2.3	1.34
		M	552	2280	65		2.9	1.36
	121	F	596		120			
		F	590	2660	110		4.3	1.30

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	586	2500	145		6.2	1.24			F	554	2320	93		4.2	1.36
		F	582	3000	165		5.8	1.52			M	586	2820	55		2.0	1.40
		F	582	3000	160		5.6	1.52		112	M	613	3200	96		3.1	1.39
		F	568	2500	94		3.9	1.36		109	F	548	2100	58		2.8	1.28
		F	564	2700	165		6.5	1.50			M	496	1360	5		0.4	1.11
		F	564	2300	55		2.4	1.28	G08	157-C	F	576	2820	115		4.3	1.48
		F	554	2060	110		5.6	1.21			F	560	2560	81		3.3	1.46
		F	550	2700	18		0.7	1.62			M	648	3100	12		0.4	1.14
		F	550	2300	50		2.2	1.38		138-C	F	604	2580	45		1.8	1.17
		F	540	2080	40		2.0	1.32			F	590	2500	42		1.7	1.22
		F	524	1800	57		3.3	1.25			F	580	2720	160		6.2	1.39
		F	500	1660	42		2.6	1.33			F	574	2680	70		2.7	1.42
		M	570	2700	23		0.9	1.46		121	F	614	2740	35		1.3	1.18
		M	570	2300	20		0.9	1.24			F	610	3000	36		1.2	1.32
		M	564	2620	62		2.4	1.46			F	610	2880	37		1.3	1.27
		M	564	2580	43		1.7	1.44			F	592	2900	80		2.8	1.40
		M	550	2280	62		2.8	1.37			F	582	2720	135		5.2	1.38
		M	540	2160	8		0.4	1.37			F	580	2620	34		1.3	1.34
		M	520	1880	23		1.2	1.34			F	580	2360	93		4.1	1.21
	121-C	M	484	1260	8		0.6	1.11			F	572	2360	40		1.7	1.26
	115	F	580	2760	145		5.5	1.41			F	570	2080	34		1.7	1.12
		F	564	1960	52		2.7	1.09			F	560	2340	33		1.4	1.33
		F	560	2460	64		2.7	1.40			F	558	2640	83		3.2	1.52
		F	550	2320	95		4.3	1.39			F	556	2420	90		3.9	1.41
		F	540	1940	22		1.1	1.23			F	554	2140	46		2.2	1.26
		F	538	2100	67		3.3	1.35			F	550	2480	95		4.0	1.49
		F	522	2020	55		2.8	1.42			F	550	2360	97		4.3	1.42
		F	510	1940	50		2.6	1.46			F	550	2080	76		3.8	1.25
		F	510	1700	80		4.9	1.28			F	530	2080	87		4.4	1.40
		F	480	1340	13		1.0	1.21			M	622	3100	4		0.1	1.29
		M	558	2220	22		1.0	1.28			M	608	3150	52		1.7	1.40
		M	556	2740	94		3.6	1.59			M	606	2940	36		1.2	1.32
		M	540	1800	5		0.3	1.14			M	604	2936	47		1.6	1.33
		M	530	1980	12		0.6	1.33			M	596	3050	71		2.4	1.44
		M	526	2000	40		2.0	1.37			M	590	2700	57		2.2	1.31
		M	508	1680	12		0.7	1.28			M	590	2540	41		1.6	1.24
		M	500	1700	32		1.9	1.36			M	580	2640	52		2.0	1.35
	112	F	580	2940	175		6.3	1.51			M	564	2700	95		3.6	1.50
		F	576	2400	95		4.1	1.26			M	564	2220	12		0.5	1.24
		F	554	2140	63		3.0	1.26			M	560	2520	35		1.4	1.43
		F	490	1780	100		6.0	1.51			M	540	2140	26		1.2	1.36
		M	564	2420	27		1.1	1.35			M	540	1620	8		0.5	1.03
		M	564	2320	38		1.7	1.29		121-C	F	574	2320	38		1.7	1.23
		M	562	2660	48		1.8	1.50		115	F	614	3250	75		2.4	1.40
		M	560	2560	62		2.5	1.46			F	594	3300	40		1.2	1.57
		M	534	2220	47		2.2	1.46			F	594	2880	100		3.6	1.37
		M	530	1960	10		0.5	1.32			F	590	2400	95		4.1	1.17
		M	506	1600	6		0.4	1.24			F	584	3000	125		4.3	1.51
	109	F	578	2220	160		7.8	1.15			F	578	2680	65		2.5	1.39
		F	560	2360	84		3.7	1.34			F	570	2700	125		4.9	1.46
		F	556	2540	65		2.6	1.48			F	560	2460	33		1.4	1.40
		F	554	2420	110		4.8	1.42			M	630	3250	45		1.4	1.30
		F	550	2080	25		1.2	1.25			M	620	3000	11		0.4	1.26
		F	544	2200	93		4.4	1.37			M	596	2920	33		1.1	1.38
		F	544	1700	17		1.0	1.06			M	582	2500	40		1.6	1.27
		F	540	2120	100		5.0	1.35			M	580	2660	22		0.8	1.36
		F	534	2000	95		5.0	1.31			M	578	2460	96		4.1	1.27
		F	530	2120	115		5.7	1.42			M	576	2460	46		1.9	1.29
		M	600	3150	45		1.4	1.46			M	574	2780	36		1.3	1.47
		M	564	2420	50		2.1	1.35			M	568	2520	21		0.8	1.38
		M	560	2240	30		1.4	1.28			M	550	2020	41		2.1	1.21
		M	544	2000	5		0.3	1.24		112	F	620	2700	42		1.6	1.13
		M	520	2080	20		1.0	1.48			F	570	2440	73		3.1	1.32
	106-C	F	574	2520	175		7.5	1.33			F	566	2640	115		4.6	1.46
		F	560	2120	34		1.6	1.21			F	562	2400	115		5.0	1.35
		M	584	2540	55		2.2	1.28			F	562	2400	92		4.0	1.35
G07	121	F	664	3600	40		1.1	1.23			F	562	2300	61		2.7	1.30
		M	530	1700	4		0.2	1.14			F	560	2360	75		3.3	1.34
	115	F	562	2140	73		3.5	1.21			M	582	2840	43		1.5	1.44
		F	560	2480	158		6.8	1.41			M	560	2260	18		0.8	1.29

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	540	2120	23		1.1	1.35			F	540	2100	110		5.5	1.33
	109	F	590	2800	100		3.7	1.36			F	522	1780	15		0.8	1.25
		F	582	2620	80		3.1	1.33			M	614	3700	150		4.2	1.60
		F	572	2700	93		3.6	1.44			M	610	3500	19		0.5	1.54
		F	572	2440	110		4.7	1.30			M	596	3150	100		3.3	1.49
		F	564	2220	42		1.9	1.24			M	591	3000	26		0.9	1.45
		F	560	2380	71		3.1	1.36			M	574	2820	45		1.6	1.49
		F	560	1920	23		1.2	1.09			M	562	2560	17		0.7	1.44
		F	550	2020	27		1.4	1.21			M	560	2840	125		4.6	1.62
		F	540	2320	82		3.7	1.47			M	555	2240	20		0.9	1.31
		F	540	1820	74		4.2	1.16			M	554	2540	98		4.0	1.49
		F	536	2240	94		4.4	1.45			M	542	2020	16		0.8	1.27
		F	534	2040	50		2.5	1.34			M	541	2280	35		1.6	1.44
		F	510	1700	21		1.3	1.28			M	536	1880	16		0.9	1.22
		M	594	2740	85		3.2	1.31			M	534	1780	5		0.3	1.17
		M	582	2600	11		0.4	1.32			M	526	1780	6		0.3	1.22
		M	582	2560	42		1.7	1.30			M	525	1840	5		0.3	1.27
		M	560	2000	4		0.2	1.14			M	496	1640	3		0.2	1.34
		M	552	2120	20		1.0	1.26		121-C	F	580	2700	200		8.0	1.38
		M	550	2140	17		0.8	1.29			F	566	2500	95		4.0	1.38
		M	540	2140	34		1.6	1.36			M	583	2460	6		0.2	1.24
	106-C	F	578	2840	125		4.6	1.47			M	562	2000	21		1.1	1.13
	93-C	M	536	2080	22		1.1	1.35		115	F	607	2900	100		3.6	1.30
G09	157-C	M	623	3800	190		5.3	1.57			F	598	2840	43		1.5	1.33
		M	592	2840	23		0.8	1.37			F	584	2900	110		3.9	1.46
	138-C	F	600	2840	160		6.0	1.31			F	584	2640	25		1.0	1.33
		F	588	2700	35		1.3	1.33			F	580	2400	21		0.9	1.23
		F	568	2920	220		8.1	1.59			F	578	2280	20		0.9	1.18
		M	630	3200	30		0.9	1.28			F	574	2700	125		4.9	1.43
		M	558	2280	3		0.1	1.31			F	568	2620	125		5.0	1.43
		M	513	2020	67		3.4	1.50			F	563	2520	140		5.9	1.41
	124	F	600	3300	32		1.0	1.53			F	562	2400	76		3.3	1.35
		F	598	2640	52		2.0	1.23			F	560	2600	95		3.8	1.48
		F	589	2780	98		3.7	1.36			F	557	2800	135		5.1	1.62
		F	563	2720	100		3.8	1.52			F	556	2240	37		1.7	1.30
		F	560	2340	35		1.5	1.33			F	554	2200	74		3.5	1.29
		F	556	2340	97		4.3	1.36			F	528	2220	96		4.5	1.51
		F	543	1760	74		4.4	1.10			F	527	1920	23		1.2	1.31
		F	540	2240	95		4.4	1.42			F	525	1900	22		1.2	1.31
		F	538	1740	13		0.8	1.12			F	508	1560	18		1.2	1.19
		F	533	2120	86		4.2	1.40			F	496	1720	42		2.5	1.41
		F	532	2120	66		3.2	1.41			F	496	1600	15		0.9	1.31
		F	530	2000	30		1.5	1.34			M	582	2740	62		2.3	1.39
		F	527	2070	22		1.1	1.41			M	576	2500	20		0.8	1.31
		F	500	2020	95		4.9	1.62			M	572	2580	14		0.5	1.38
		F	490	1480	42		2.9	1.26			M	570	2780	62		2.3	1.50
		M	630	3500	15		0.4	1.40			M	563	2220	6		0.3	1.24
		M	608	3350	72		2.2	1.49			M	554	1960	4		0.2	1.15
		M	566	2240	10		0.4	1.24			M	500	1600	5		0.3	1.28
		M	552	2680	72		2.8	1.59			M	457	1260	4		0.3	1.32
		M	552	2340	100		4.5	1.39		112	F	596	3150	200		6.8	1.49
		M	550	2420	52		2.2	1.45			F	582	2740	38		1.4	1.39
		M	548	2320	12		0.5	1.41			F	580	2560	35		1.4	1.31
		M	546	2520	95		3.9	1.55			F	580	2500	52		2.1	1.28
		M	533	1960	21		1.1	1.29			F	572	2680	145		5.7	1.43
		M	530	1740	4		0.2	1.17			F	570	2240	92		4.3	1.21
		M	528	1880	6		0.3	1.28			F	564	2340	62		2.7	1.30
		M	481	1400	12		0.9	1.26			F	554	2400	190		8.6	1.41
	121	F	610	3150	47		1.5	1.39			F	553	2420	200		9.0	1.43
		F	600	3050	38		1.3	1.41			F	550	2580	115		4.7	1.55
		F	600	2800	32		1.2	1.30			F	550	2540	110		4.5	1.53
		F	596	2800	125		4.7	1.32			F	550	2300	98		4.5	1.38
		F	572	2620	25		1.0	1.40			F	548	2460	140		6.0	1.49
		F	571	2520	94		3.9	1.35			F	540	2320	95		4.3	1.47
		F	565	2400	55		2.3	1.33			F	538	2140	75		3.6	1.37
		F	553	2480	96		4.0	1.47			F	522	2060	74		3.7	1.45
		F	550	2340	110		4.9	1.41			F	510	1940	15		0.8	1.46
		F	548	2020	22		1.1	1.23			F	510	1840	38		2.1	1.39
		F	544	2220	62		2.9	1.38			M	611	3100	22		0.7	1.36
		F	543	1940	18		0.9	1.21			M	598	3000	85		2.9	1.40

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	550	2000	40		2.0	1.20
		M	544	1960	9		0.5	1.22
		M	543	1860	6		0.3	1.16
		M	535	2020	12		0.6	1.32
		M	527	2080	38		1.9	1.42
		M	510	1940	57		3.0	1.46
		M	510	1740	38		2.2	1.31
		M	499	1640	52		3.3	1.32
		M	498	1420	23		1.6	1.15
	106-C	F	526	2200	145		7.1	1.51
		M	556	2280	55		2.5	1.33
		M	542	2420	70		3.0	1.52
		M	512	1780	40		2.3	1.33
G10	157-C	F	560	2280	165		7.8	1.30
		M	596	3050	140		4.8	1.44
	138-C	F	598	2740	48		1.8	1.28
		F	596	2800	133		5.0	1.32
		F	580	2360	73		3.2	1.21
		F	560	2160	31		1.5	1.23
		F	558	2520	132		5.5	1.45
		F	522	1880	63		3.5	1.32
		F	520	1920	84		4.6	1.37
		F	520	1780	43		2.5	1.27
		M	550	2080	91		4.6	1.25
	124	F	650	3450	14		0.4	1.26
		F	622	3150	110		3.6	1.31
		F	620	2940	155		5.6	1.23
		F	610	3650	92		2.6	1.61
		F	604	2920	210		7.7	1.33
		F	584	2520	87		3.6	1.27
		F	580	2240	43		2.0	1.15
		F	550	2180	74		3.5	1.31
		F	550	2000	28		1.4	1.20
		F	546	2380	17		0.7	1.46
		F	538	2480	130		5.5	1.59
		F	536	2040	180		9.7	1.32
		F	530	1880	30		1.6	1.26
		F	530	1840	76		4.3	1.24
		F	526	1300	69		5.6	0.89
		F	516	1620	135		9.1	1.18
		M	630	3250	12		0.4	1.30
		M	610	3000	3		0.1	1.32
		M	590	2460	50		2.1	1.20
		M	590	2300	2		0.1	1.12
		M	580	2360	125		5.6	1.21
		M	574	2340	15		0.6	1.24
		M	558	1920	78		4.2	1.11
		M	550	2380	5		0.2	1.43
		M	550	2260	1		0.0	1.36
		M	550	1960	66		3.5	1.18
		M	538	1920	2		0.1	1.23
		M	524	1540	3		0.2	1.07
		M	506	1740	2		0.1	1.34
		M	500	1100	3		0.3	0.88
	121	F	684	4350	75		1.8	1.36
		F	614	2500	54		2.2	1.08
		F	606	2980	86		3.0	1.34
		F	600	2900	47		1.6	1.34
		F	574	2080	27		1.3	1.10
		F	566	2220	36		1.6	1.22
		F	560	3000	97		3.3	1.71
		F	560	2350	170		7.8	1.34
		F	558	2400	70		3.0	1.38
		F	554	2140	74		3.6	1.26
		F	554	2140	24		1.1	1.26
		F	550	2720	94		3.6	1.63
		F	550	2400	36		1.5	1.44
		F	550	2100	44		2.1	1.26
		F	546	1900	78		4.3	1.17
		F	540	2080	135		6.9	1.32
		F	536	2320	97		4.4	1.51
		F	530	2000	56		2.9	1.34
		F	480	1880	58		3.2	1.70
		M	614	2760	3		0.1	1.19
		M	590	2960	54		1.9	1.44
		M	578	2840	8		0.3	1.47
		M	556	2040	54		2.7	1.19
		M	552	2000	74		3.8	1.19
		M	550	2280	17		0.8	1.37
		M	544	1940	14		0.7	1.21
		M	534	1900	74		4.1	1.25
		M	506	1900	260		15.9	1.47
		M	500	1540	13		0.9	1.23
		M	480	1500	23		1.6	1.36
	121-C	F	524	1520	20		1.3	1.06
		M	490	1520	66		4.5	1.29
	115	F	610	3000	98		3.4	1.32
		F	606	2520	47		1.9	1.13
		F	598	2800	72		2.6	1.31
		F	584	2560	47		1.9	1.29
		F	580	2500	120		5.0	1.28
		F	564	2500	175		7.5	1.39
		F	560	2520	110		4.6	1.43
		F	556	2520	115		4.8	1.47
		F	556	2520	66		2.7	1.47
		F	544	2040	32		1.6	1.27
		F	536	1320	63		5.0	0.86
		F	530	2100	99		4.9	1.41
		F	520	1640	16		1.0	1.17
		F	512	1420	120		9.2	1.06
		F	504	1820	63		3.6	1.42
		F	504	1520	84		5.8	1.19
		F	490	1380	40		3.0	1.17
		M	630	3100	94		3.1	1.24
		M	574	3000	66		2.2	1.59
		M	560	2500	83		3.4	1.42
		M	550	1920	10		0.5	1.15
		M	540	2000	2		0.1	1.27
		M	524	1520	9		0.6	1.06
		M	520	1900	15		0.8	1.35
		M	520	1780	49		2.8	1.27
		M	512	1840	14		0.8	1.37
	112	F	590	2840	155		5.8	1.38
		F	582	3050	84		2.8	1.55
		F	582	2500	91		3.8	1.27
		F	574	2760	150		5.7	1.46
		F	570	2740	190		7.5	1.48
		F	570	2380	37		1.6	1.29
		F	570	2180	37		1.7	1.18
		F	570	2140	80		3.9	1.16
		F	556	2320	110		5.0	1.35
		F	546	2220	87		4.1	1.36
		F	546	2040	85		4.3	1.25
		F	544	2160	86		4.1	1.34
		F	540	2360	85		3.7	1.50
		F	532	2000	26		1.3	1.33
		F	528	2040	105		5.4	1.39
		F	518	2220	105		5.0	1.60
		F	512	2000	35		1.8	1.49
		F	510	1580	23		1.5	1.19
		F	486	1420	5		0.4	1.24
		F	480	1400	75		5.7	1.27
		F	470	920	3		0.3	0.89
		F	468	1260	150		13.5	1.23
		M	662	4000	48		1.2	1.38
		M	550	2240	19		0.9	1.35
		M	540	2040	15		0.7	1.30
		M	536	1920	2		0.1	1.25
		M	528	1900	12		0.6	1.29
		M	480	1420	3		0.2	1.28

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	93-C	M	556	1920	16		0.8	1.12			M	534	2240	115		5.4	1.47
	L-L	F	592	2620	40		1.6	1.26			M	532	1960	5		0.3	1.30
		F	560	2240	20		0.9	1.28			M	526	1820	4		0.2	1.25
		F	540	2300	100		4.5	1.46			M	522	1800	4		0.2	1.27
		F	520	2000	47		2.4	1.42			M	520	1960	25		1.3	1.39
		F	485	1260	20		1.6	1.10			M	506	1780	5		0.3	1.37
		M	600	3400	160		4.9	1.57			M	506	1520	3		0.2	1.17
		M	572	2620	100		4.0	1.40			M	504	1620	5		0.3	1.27
		M	560	2320	37		1.6	1.32			M	480	1500	17		1.1	1.36
		M	534	2020	35		1.8	1.33			M	476	1480	3		0.2	1.37
		F	463	1080	2		0.2	1.09		121-C	F	604	2720	43		1.6	1.23
G11	157-C	M	670	4000	93		2.4	1.33			F	540	1920	50		2.7	1.22
		M	606	2940	16		0.5	1.32			F	510	1960	65		3.4	1.48
		M	582	2820	93		3.4	1.43			M	580	2320	37		1.6	1.19
		M	580	2820	22		0.8	1.45			M	548	2040	66		3.3	1.24
	138-C	F	600	3150	300		10.5	1.46			M	538	2300	62		2.8	1.48
		F	586	2540	89		3.6	1.26			M	510	1560	13		0.8	1.18
		F	516	1800	90		5.3	1.31		115	F	610	3000	105		3.6	1.32
		M	640	3300	12		0.4	1.26			F	604	3050	115		3.9	1.38
		M	578	2660	11		0.4	1.38			F	600	2620	175		7.2	1.21
	124	F	592	3250	200		6.6	1.57			F	592	3050	185		6.5	1.47
		F	592	2520	32		1.3	1.21			F	586	2620	115		4.6	1.30
		F	580	2180	40		1.9	1.12			F	584	2960	215		7.8	1.49
		F	568	2520	145		6.1	1.38			F	580	2600	170		7.0	1.33
		F	550	2080	40		2.0	1.25			F	580	2540	65		2.6	1.30
		F	550	2020	32		1.6	1.21			F	570	2800	59		2.2	1.51
		F	548	2340	145		6.6	1.42			F	556	2360	47		2.0	1.37
		F	546	2220	15		0.7	1.36			F	556	2260	220		10.8	1.31
		F	540	2120	74		3.6	1.35			F	510	2020	92		4.8	1.52
		F	540	2060	97		4.9	1.31			F	510	1640	26		1.6	1.24
		F	534	2140	85		4.1	1.41			M	606	3200	65		2.1	1.44
		F	530	2320	96		4.3	1.56			M	564	2520	35		1.4	1.40
		F	530	2060	100		5.1	1.38			M	564	2440	28		1.2	1.36
		F	516	1960	53		2.8	1.43			M	560	2420	29		1.2	1.38
		F	478	1400	35		2.6	1.28			M	558	2160	12		0.6	1.24
		M	632	3400	50		1.5	1.35			M	556	2520	98		4.0	1.47
		M	630	3600	110		3.2	1.44			M	530	1940	8		0.4	1.30
		M	616	3600	135		3.9	1.54			M	518	2020	68		3.5	1.45
		M	610	2980	65		2.2	1.31			M	516	1660	4		0.2	1.21
		M	600	2800	8		0.3	1.30			M	510	1820	60		3.4	1.37
		M	588	2620	30		1.2	1.29			M	478	1360	3		0.2	1.25
		M	586	2760	57		2.1	1.37		112	F	610	3450	150		4.5	1.52
		M	580	2380	42		1.8	1.22			F	600	3000	140		4.9	1.39
		M	580	2360	48		2.1	1.21			F	596	2840	185		7.0	1.34
		M	576	2540	10		0.4	1.33			F	574	2620	77		3.0	1.39
		M	576	2500	30		1.2	1.31			F	574	2520	87		3.6	1.33
		M	570	2740	82		3.1	1.48			F	570	2200	26		1.2	1.19
		M	550	2720	85		3.2	1.63			F	564	2380	145		6.5	1.33
		M	550	2340	45		2.0	1.41			F	560	2400	135		6.0	1.37
		M	540	2000	20		1.0	1.27			F	554	2580	88		3.5	1.52
	121	F	606	3150	165		5.5	1.42			F	552	2220	90		4.2	1.32
		F	600	3000	180		6.4	1.39			F	550	2600	42		1.6	1.56
		F	584	2540	35		1.4	1.28			F	544	2240	115		5.4	1.39
		F	574	2300	43		1.9	1.22			F	542	1960	23		1.2	1.23
		F	568	2400	48		2.0	1.31			F	520	2060	92		4.7	1.47
		F	560	2260	28		1.3	1.29			F	520	1760	100		6.0	1.25
		F	556	2320	94		4.2	1.35			F	496	1680	30		1.8	1.38
		F	554	2320	33		1.4	1.36			F	486	1420	8		0.6	1.24
		F	550	2620	115		4.6	1.57			M	620	3500	62		1.8	1.47
		F	550	2520	165		7.0	1.51			M	616	3200	56		1.8	1.37
		F	550	2360	98		4.3	1.42			M	582	2800	68		2.5	1.42
		F	548	2140	84		4.1	1.30			M	570	2320	8		0.3	1.25
		F	546	2320	82		3.7	1.43			M	568	2820	74		2.7	1.54
		F	546	1900	15		0.8	1.17			M	568	2520	33		1.3	1.38
		F	540	2300	85		3.8	1.46			M	564	2520	75		3.1	1.40
		F	536	2540	39		1.6	1.65			M	544	2120	20		1.0	1.32
		M	596	3050	175		6.1	1.44			M	542	2320	10		0.4	1.46
		M	554	2020	5		0.2	1.19			M	540	2120	62		3.0	1.35
		M	542	2240	21		0.9	1.41			M	532	2100	20		1.0	1.39
		M	536	2140	52		2.5	1.39			M	490	1720	46		2.7	1.46

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	482	1380	6		0.4	1.23			M	520	2000	25		1.3	1.42
	106-C	F	560	2560	115		4.7	1.46		121-C	F	568	2440	86		3.7	1.33
		F	506	2040	42		2.1	1.57			F	534	1660	24		1.5	1.09
		M	486	1520	37		2.5	1.32			M	592	2880	51		1.8	1.39
	93-C	F	556	2040	25		1.2	1.19		115	F	612	3200	200		6.7	1.40
	82-C	M	582	2900	95		3.4	1.47			F	600	3000	110		3.8	1.39
	55-C	M	576	2400	12		0.5	1.26			F	600	2900	255		9.6	1.34
G12	157-C	F	600	3000	56		1.9	1.39			F	596	2600	56		2.2	1.23
		M	660	3950				1.37			F	590	2960	150		5.3	1.44
		M	566	2560	110		4.5	1.41			F	574	2740	100		3.8	1.45
		M	560	2680	43		1.6	1.53			F	564	2440	45		1.9	1.36
	124	F	614	2740	140		5.4	1.18			F	560	2640	190		7.8	1.50
		F	600	3050	100		3.4	1.41			F	550	2240	35		1.6	1.35
		F	580	2640	120		4.8	1.35			F	550	2100	12		0.6	1.26
		F	570	2800	325		13.1	1.51			F	550	1960	16		0.8	1.18
		F	564	2580	30		1.2	1.44			F	526	1500	8		0.5	1.03
		F	564	2580	5		0.2	1.44			F	518	1660	20		1.2	1.19
		F	562	2380	75		3.3	1.34			F	476	1640	63		4.0	1.52
		F	554	2480	35		1.4	1.46			M	636	3700	215		6.2	1.44
		F	540	2100	56		2.7	1.33			M	630	3500	98		2.9	1.40
		F	540	2000	40		2.0	1.27			M	616	3400	80		2.4	1.45
		F	530	1940	85		4.6	1.30			M	578	2300	40		1.8	1.19
		F	524	2000	125		6.7	1.39			M	568	2600	15		0.6	1.42
		F	510	1740	25		1.5	1.31			M	562	2400	110		4.8	1.35
		F	500	1420	8		0.6	1.14			M	562	2300	53		2.4	1.30
		M	670	4000	38		1.0	1.33			M	560	2120	40		1.9	1.21
		M	636	4100	30		0.7	1.59			M	550	2640	85		3.3	1.59
		M	632	3600	135		3.9	1.43			M	550	2200	20		0.9	1.32
		M	610	3400	155		4.8	1.50			M	520	1840	5		0.3	1.31
		M	606	3000	35		1.2	1.35			M	516	1960	50		2.6	1.43
		M	600	3100	55		1.8	1.44			M	516	1620	9		0.6	1.18
		M	596	3150	170		5.7	1.49			M	510	1920	50		2.7	1.45
		M	594	2880	19		0.7	1.37			M	500	1760	12		0.7	1.41
		M	592	2720	12		0.4	1.31			M	500	1600	8		0.5	1.28
		M	590	2820	80		2.9	1.37		112	F	600	3150	195		6.6	1.46
		M	580	2680	26		1.0	1.37			F	590	2680	210		8.5	1.30
		M	576	2360	56		2.4	1.23			F	588	2840	195		7.4	1.40
		M	574	2300	41		1.8	1.22			F	586	3000	140		4.9	1.49
		M	564	2560	67		2.7	1.43			F	584	2720	75		2.8	1.37
		M	534	1980	8		0.4	1.30			F	580	2420	160		7.1	1.24
		M	532	2360	67		2.9	1.57			F	576	2780	215		8.4	1.45
	121	F	640	3600	215		6.4	1.37			F	574	2220	64		3.0	1.17
		F	624	2700	40		1.5	1.11			F	570	2700	68		2.6	1.46
		F	618	3300	160		5.1	1.40			F	554	2260	98		4.5	1.33
		F	606	2820	93		3.4	1.27			F	546	2340	115		5.2	1.44
		F	600	2620	48		1.9	1.21			F	540	2140	140		7.0	1.36
		F	590	2600	45		1.8	1.27			F	532	1800	15		0.8	1.20
		F	584	2740	200		7.9	1.38			F	530	2000	95		5.0	1.34
		F	580	2700	85		3.3	1.38			F	526	1940	20		1.0	1.33
		F	580	1960	43		2.2	1.00			F	490	1340	13		1.0	1.14
		F	576	2580	145		6.0	1.35			M	608	3050	10		0.3	1.36
		F	570	2900	110		3.9	1.57			M	600	3050	90		3.0	1.41
		F	570	2500	46		1.9	1.35			M	576	2660	20		0.8	1.39
		F	568	2740	155		6.0	1.50			M	570	3000	55		1.9	1.62
		F	560	2600	135		5.5	1.48			M	560	2300	58		2.6	1.31
		F	560	2160	19		0.9	1.23			M	558	2340	4		0.2	1.35
		F	550	2040	42		2.1	1.23			M	556	2500	82		3.4	1.45
		F	540	2140	130		6.5	1.36			M	548	1940	16		0.8	1.18
		F	532	2000	40		2.0	1.33			M	530	2040	73		3.7	1.37
		F	528	1640	20		1.2	1.11			M	528	2100	14		0.7	1.43
		F	526	1840	40		2.2	1.26			M	506	1700	55		3.3	1.31
		M	636	3650	190		5.5	1.42			M	500	1440	3		0.2	1.15
		M	604	2720	63		2.4	1.23		106-C	F	604	2640	19		0.7	1.20
		M	600	2860	48		1.7	1.32			F	554	2300	32		1.4	1.35
		M	568	2200	4		0.2	1.20			F	530	2100	85		4.2	1.41
		M	566	2560	60		2.4	1.41			M	560	2480	32		1.3	1.41
		M	560	1840	35		1.9	1.05		82-C	M	510	1920	63		3.4	1.45
		M	550	2200	10		0.5	1.32	G13	157-C	F	584		16			
		M	536	2060	45		2.2	1.34		138-C	F	560	2200	115		5.5	1.25
		M	526	2120	100		5.0	1.46			M	606	2720	81		3.1	1.22

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	124	F	582	2620	15		0.6	1.33
		F	560	2040	50		2.5	1.16
		F	556	2340	78		3.4	1.36
		F	554	2340	125		5.6	1.38
		F	552	1720	28		1.7	1.02
		F	546	2000	78		4.1	1.23
		F	534	1960	55		2.9	1.29
		F	530	2060	93		4.7	1.38
		F	530	1920	15		0.8	1.29
		F	520	1820	75		4.3	1.29
		F	504	1760	33		1.9	1.37
		F	480	1520	52		3.5	1.37
		M	650	3450	95		2.8	1.26
		M	626	2940	176		6.4	1.20
		M	592	2140	13		0.6	1.03
		M	550	2060	19		0.9	1.24
		M	530	1980	5		0.3	1.33
		M	527	1980	9		0.5	1.35
		M	516	1620	35		2.2	1.18
		M	454	1220	43		3.7	1.30
	121	F	588	2880	150		5.5	1.42
		F	572	2480	18		0.7	1.33
		F	570	2520	125		5.2	1.36
		F	554	1880	95		5.3	1.11
		F	546	2220	190		9.4	1.36
		F	526	1880	115		6.5	1.29
		M	600	2860	52		1.9	1.32
		M	560	2400	43		1.8	1.37
		M	554	1440	72		5.3	0.85
		M	550	2100	76		3.8	1.26
		M	546	1520	13		0.9	0.93
		M	536	1880	32		1.7	1.22
	115	F	634	3550	255		7.7	1.39
		F	614	2820	225		8.7	1.22
		F	596	2420	215		9.8	1.14
		F	592	2500	110		4.6	1.20
		F	584	2400	36		1.5	1.20
		F	580	2660	220		9.0	1.36
		F	576	2960	170		6.1	1.55
		F	574	2420	49		2.1	1.28
		F	568	2540	65		2.6	1.39
		F	554	1900	17		0.9	1.12
		M	594	2860	17		0.6	1.36
		M	596	2600	93		3.7	1.23
		M	540	1800	2		0.1	1.14
		M	516	1800	26		1.5	1.31
		M	510	1720	23		1.4	1.30
	112	F	592	2160	40		1.9	1.04
		F	580	2420	73		3.1	1.24
		F	542	2060	93		4.7	1.29
		F	540	2100	100		5.0	1.33
		F	530	1620	17		1.1	1.09
		F	526	1800	25		1.4	1.24
		F	494	1400	12		0.9	1.16
		F	474	1500	40		2.7	1.41
		M	630	2920	62		2.2	1.17
		M	624	3100	41		1.3	1.28
		M	616	3450	66		2.0	1.48
		M	580	2950	115		4.1	1.51
		M	546	1940	20		1.0	1.19
		M	522	1860	7		0.4	1.31
	106-C	F	580	2820	36		1.3	1.45
	93-C	F	564	2420	82		3.5	1.35
		M	530	1760	28		1.6	1.18
	63-C	M	506	1460	27		1.9	1.13
	L-L	M	612	3000	115		4.0	1.31
G14	157-C	F	626	3450	300		9.5	1.41
		M	648	3550	160		4.7	1.30
		M	632	3300	160		5.1	1.31
		M	632	3050	95		3.2	1.21
		M	624	3200	50		1.6	1.32
		M	624	3100	96		3.2	1.28
		M	620	3050	145		5.0	1.28
		M	604	2960	39		1.3	1.34
		M	600	3000	51		1.7	1.39
	138-C	F	668	3900	45		1.2	1.31
		F	662	3800	250		7.0	1.31
		F	646	3500	115		3.4	1.30
		F	618	3200	200		6.7	1.36
		F	600	3150	240		8.2	1.46
		F	600	3000	250		9.1	1.39
		F	590	2920	170		6.2	1.42
		M	650	3950	190		5.1	1.44
		M	650	3700	190		5.4	1.35
		M	648	3950	120		3.1	1.45
		M	640	3750	155		4.3	1.43
		M	634	3700	6		0.2	1.45
		M	630	3750	140		3.9	1.50
		M	620	3300	195		6.3	1.38
		M	620	3250	145		4.7	1.36
		M	618	3250	52		1.6	1.38
		M	616	3150	185		6.2	1.35
		M	612	3250	215		7.1	1.42
		M	592	2620	140		5.6	1.26
	124	F	626	3300	195		6.3	1.35
		F	620	3250	50		1.6	1.36
		F	610	3150	265		9.2	1.39
		F	600	3100	280		9.9	1.44
		F	596	2800	185		7.1	1.32
		F	590	3000	190		6.8	1.46
		F	590	2960	265		9.8	1.44
		F	580	2780	135		5.1	1.42
		F	580	2560	150		6.2	1.31
		F	578	2600	250		10.6	1.35
		F	576	2560	35		1.4	1.34
		F	576	2540	140		5.8	1.33
		F	550	2140	175		8.9	1.29
		M	654	3650	140		4.0	1.30
		M	650	3950	160		4.2	1.44
		M	650	3800	145		4.0	1.38
		M	640	3800	130		3.5	1.45
		M	640	3800	120		3.3	1.45
		M	632	3500	120		3.6	1.39
		M	626	3450	52		1.5	1.41
		M	624	3550	135		4.0	1.46
		M	616	3550	99		2.9	1.52
		M	610	3400	75		2.3	1.50
		M	606	3050	50		1.7	1.37
		M	600	2940	140		5.0	1.36
		M	594	3050	160		5.5	1.46
		M	590	2600	60		2.4	1.27
		M	584	2940	130		4.6	1.48
		M	582	3100	150		5.1	1.57
		M	534	2120	5		0.2	1.39
	121	F	634	3250	350		12.1	1.28
		F	626	3300	250		8.2	1.35
		F	624	3200	190		6.3	1.32
		F	618	3050	360		13.4	1.29
		F	612	3200	260		8.8	1.40
		F	604	3500	295		9.2	1.59
		F	604	3050	200		7.0	1.38
		F	600	2680	305		12.8	1.24
		F	590	2880	260		9.9	1.40
		F	590	2860	255		9.8	1.39
		F	584	2420	180		8.0	1.22
		F	584	2420	170		7.6	1.22
		F	580	2600	255		10.9	1.33
		F	578	2700	180		7.1	1.40
		F	562	2560	190		8.0	1.44
		M	684	4500	190		4.4	1.41

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	654	3950	165		4.4	1.41
		M	644	3650	200		5.8	1.37
		M	636	3950	175		4.6	1.54
		M	636	3550	185		5.5	1.38
		M	630	3750	95		2.6	1.50
		M	630	3500	165		4.9	1.40
		M	630	3500	150		4.5	1.40
		M	628	3650	150		4.3	1.47
		M	616	3500	120		3.6	1.50
		M	614	3300	155		4.9	1.43
		M	600	3100	120		4.0	1.44
		M	598	2840	180		6.8	1.33
		M	596	3150	160		5.4	1.49
		M	596	3100	150		5.1	1.46
	121-C	F	650	3250	260		8.7	1.18
		F	644	3250	200		6.6	1.22
		F	620	3450	220		6.8	1.45
		F	618	3300	190		6.1	1.40
		F	592	2740	180		7.0	1.32
		M	664	3950	155		4.1	1.35
		M	638	3100	95		3.2	1.19
		M	636	3450	160		4.9	1.34
		M	620	3750	125		3.4	1.57
		M	612	3050	46		1.5	1.33
	115	F	676	3900	190		5.1	1.26
		F	620	3150	165		5.5	1.32
		F	610	3300	215		7.0	1.45
		F	608	3400	215		6.8	1.51
		F	602	2820	140		5.2	1.29
		F	596	2800	180		6.9	1.32
		F	586	2540	170		7.2	1.26
		F	580	3000	180		6.4	1.54
		F	580	2760	155		6.0	1.41
		F	580	2580	140		5.7	1.32
		F	570	2320	135		6.2	1.25
		F	570	2160	115		5.6	1.17
		F	564	2260	310		15.9	1.26
		F	560	2140	120		5.9	1.22
		F	554	2400	100		4.3	1.41
		F	540	2140	195		10.0	1.36
		M	640	3600	92		2.6	1.37
		M	626	3500	46		1.3	1.43
		M	624	3300	100		3.1	1.36
		M	624	3300	97		3.0	1.36
		M	620	3950	110		2.9	1.66
		M	620	3700	100		2.8	1.55
		M	620	3400	160		4.9	1.43
		M	620	3200	110		3.6	1.34
		M	618	3450	96		2.9	1.46
		M	618	3300	90		2.8	1.40
		M	614	3000	175		6.2	1.30
		M	600	3050	90		3.0	1.41
		M	594	3150	89		2.9	1.50
		M	580	2440	22		0.9	1.25
	112	F	660	4050	155		4.0	1.41
		F	650	3850	235		6.5	1.40
		F	636	4050	160		4.1	1.57
		F	624	3000	86		3.0	1.23
		F	616	3200	220		7.4	1.37
		F	596	2540	150		6.3	1.20
		F	592	2860	210		7.9	1.38
		F	592	2700	210		8.4	1.30
		F	590	3050	210		7.4	1.49
		F	590	2800	125		4.7	1.36
		F	586	2340	215		10.1	1.16
		F	570	2420	156		6.9	1.31
		F	566	2200	205		10.3	1.21
		F	564	2440	240		10.9	1.36
		F	552	2440	90		3.8	1.45
		F	546	2520	200		8.6	1.55
		M	666	3656	135		3.8	1.24
		M	632	4050	115		2.9	1.60
		M	630	3750	115		3.2	1.50
		M	620	3100	200		6.9	1.30
		M	610	3250	200		6.6	1.43
		M	606	3050	175		6.1	1.37
		M	604	2980	130		4.6	1.35
		M	584	2860	155		5.7	1.44
		M	564	2340	100		4.5	1.30
		M	560	2160	120		5.9	1.23
		M	550	2440	93		4.0	1.47
		M	520	1920	215		12.6	1.37
		M	516	1560	23		1.5	1.14
	106-C	F	610	3000	220		7.9	1.32
		F	584	2440	140		6.1	1.23
		F	552	2420	200		9.0	1.44
		F	520	1620	145		9.8	1.15
	93-C	M	660	4250	155		3.8	1.48
	82-C	F	624	3650	355		10.8	1.50
G15	157-C	M	630	3450	100		3.0	1.38
		M	606	3350	125		3.9	1.51
		M	590	2800	105		3.9	1.36
	138-C	F	640	3650	175		5.0	1.39
		F	604	2800	280		11.1	1.27
		F	600	3050	125		4.3	1.41
		F	586	2550	125		5.2	1.27
		M	666	3750	55		1.5	1.27
		M	626	3400	125		3.8	1.39
		M	596	2900	125		4.5	1.37
	124	F	644	3500	380		12.2	1.31
		F	636	3450	190		5.8	1.34
		F	636	3300	230		7.5	1.28
		F	630	3150	210		7.1	1.26
		F	630	2900	200		7.4	1.16
		F	616	3000	216		7.8	1.28
		F	610	2950	350		13.5	1.30
		F	606	2950	44		1.5	1.33
		F	604	2200	115		5.5	1.00
		F	600	2680	170		6.8	1.24
		F	594	3000	125		4.3	1.43
		F	594	2800	195		7.5	1.34
		F	594	2700	120		4.7	1.29
		F	590	2700	185		7.4	1.31
		F	582	2600	120		4.8	1.32
		F	556	2500	145		6.2	1.45
		F	538	2200	185		9.2	1.41
		M	670	3700	215		6.2	1.23
		M	646	3700	135		3.8	1.37
		M	632	3300	91		2.8	1.31
		M	630	3700	48		1.3	1.48
		M	624	3400	78		2.3	1.40
		M	624	3100	110		3.7	1.28
		M	616	3200	130		4.2	1.37
		M	616	3000	57		1.9	1.28
		M	614	1950	87		4.7	0.84
		M	608	2950	66		2.3	1.31
		M	586	2900	52		1.8	1.44
	121	F	670	4000	440		12.4	1.33
		F	638	3900	285		7.9	1.50
		F	636	3600	215		6.4	1.40
		F	634	3000	425		16.5	1.18
		F	630	3500	435		14.2	1.40
		F	630	3250	465		16.7	1.30
		F	624	3050	360		13.4	1.26
		F	610	3250	240		8.0	1.43
		F	610	3100	210		7.3	1.37
		F	608	3000	180		6.4	1.33
		F	596	2720	105		4.0	1.28
		F	590	3200	300		10.3	1.56
		F	590	2740	170		6.6	1.33

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	586	2800	150		5.7	1.39
		F	560	2320	80		3.6	1.32
		M	664	3700	190		5.4	1.26
		M	660	4400	160		3.8	1.53
		M	654	4200	165		4.1	1.50
		M	642	3650	190		5.5	1.38
		M	634	3700	66		1.8	1.45
		M	634	3500	160		4.8	1.37
		M	630	3600	190		5.6	1.44
		M	624	3500	71		2.1	1.44
		M	624	3300	120		3.8	1.36
		M	594	2980	64		2.2	1.42
		M	592	2620	135		5.4	1.26
		M	550	2460	50		2.1	1.48
		M	550	2140	90		4.4	1.29
		M	518	1660	5		0.3	1.19
		M	510	1540	4		0.3	1.16
	115	F	614	3060	195		6.8	1.32
		F	610	1980	280		16.5	0.87
		F	606	3000	73		2.5	1.35
		F	600	2940	165		5.9	1.36
		F	600	2880	225		8.5	1.33
		F	574	2600	120		4.8	1.37
		F	554	1200	130		12.1	0.71
		M	656	3900	185		5.0	1.38
		M	654	3300	87		2.7	1.18
		M	638	3800	105		2.8	1.46
		M	624	3150	66		2.1	1.30
		M	614	3150	73		2.4	1.36
		M	614	2900	30		1.0	1.25
		M	610	3500	170		5.1	1.54
		M	610	3000	140		4.9	1.32
		M	604	3000	55		1.9	1.36
		M	604	2760	65		2.4	1.25
		M	600	2900	82		2.9	1.34
		M	598	3200	155		5.1	1.50
		M	580	1580	54		3.5	0.81
	112	F	630	3600	185		5.4	1.44
		F	630	3300	380		13.0	1.32
		F	630	3200	195		6.5	1.28
		F	630	3200	175		5.8	1.28
		F	624	3140	205		7.0	1.29
		F	618	3050	270		9.7	1.29
		F	604	2800	145		5.5	1.27
		F	600	2840	265		10.3	1.31
		F	596	2850	190		7.1	1.35
		F	586	2700	205		8.2	1.34
		F	580	2750	195		7.6	1.41
		F	556	2100	105		5.3	1.22
		F	546	2100	280		15.4	1.29
		M	664	4100	145		3.7	1.40
		M	660	4050	130		3.3	1.41
		M	648	3750	2		0.1	1.38
		M	640	3350	120		3.7	1.28
		M	636	3850	140		3.8	1.50
		M	630	3600	160		4.7	1.44
		M	616	3500	75		2.2	1.50
		M	608	3200	85		2.7	1.42
		M	604	3000	125		4.3	1.36
		M	600	3000	120		4.2	1.39
		M	600	2500	110		4.6	1.16
		M	592	2540	100		4.1	1.22
		M	570	2080	105		5.3	1.12
		M	554	2150	39		1.8	1.26
		M	546	2460	26		1.1	1.51
		M	534	2200				1.44
		M	496	1500	3		0.2	1.23
	106-C	M	560	2360	110		4.9	1.34
	63-C	M	536	2040	130		6.8	1.32
G16	157-C	F	668	3850	27		0.7	1.29
		F	620	3150	295		10.3	1.32
		M	700	4750	115		2.5	1.38
		M	646	3750	66		1.8	1.39
		M	600	2760	36		1.3	1.28
	138-C	M	580	2280	3		0.1	1.17
		M	574	2640	2		0.1	1.40
	124	F	646	2740	53		2.0	1.02
		F	622	3300	200		6.5	1.37
		F	616	3050	62		2.1	1.30
		F	616	2800	235		9.2	1.20
		F	616	2600	48		1.9	1.11
		F	614	3000	175		6.2	1.30
		F	610	3250	300		10.2	1.43
		F	594	2740	55		2.0	1.31
		F	590	2540	190		8.1	1.24
		F	585	2360	135		6.1	1.18
		F	578	2800	225		8.7	1.45
		F	570	2540	210		9.0	1.37
		F	560	2540	120		5.0	1.45
		F	555	2060	115		5.9	1.21
		F	550	2100	140		7.1	1.26
		F	537	2300	80		3.6	1.49
		F	532	2100	160		8.2	1.39
		M	654	4200	250		6.3	1.50
		M	615	3250	190		6.2	1.40
		M	600	2980	80		2.8	1.38
		M	598	3050	45		1.5	1.43
		M	580	2440	12		0.5	1.25
		M	563	2060	4		0.2	1.15
		M	544	2060	15		0.7	1.28
		M	543	2060	35		1.7	1.29
		M	537	2000	120		6.4	1.29
		M	522	2060	15		0.7	1.45
		M	522	1940	4		0.2	1.36
		M	500	1720	5		0.3	1.38
		M	492	1500	3		0.2	1.26
	121	F	620	3200	175		5.8	1.34
		F	617	3250	150		4.8	1.38
		F	612	3350	255		8.2	1.46
		F	598	2740	210		8.3	1.28
		F	591	2820	165		6.2	1.37
		F	588	2720	175		6.9	1.34
		F	584	2740	270		10.9	1.38
		F	580	2440	110		4.7	1.25
		F	578	2400	120		5.3	1.24
		F	575	1520	160		11.8	0.80
		F	570	2400	35		1.5	1.30
		F	568	2500	85		3.5	1.36
		F	525	1660	17		1.0	1.15
		F	512	1840	50		2.8	1.37
		M	633	3200	180		6.0	1.26
		M	630	3500	20		0.6	1.40
		M	630	3300	180		5.8	1.32
		M	618	3400	180		5.6	1.44
		M	611	3400	115		3.5	1.49
		M	592	3000	120		4.2	1.45
		M	570	2440	34		1.4	1.32
		M	553	2100	4		0.2	1.24
		M	550	2360	97		4.3	1.42
		M	540	2140	60		2.9	1.36
		M	540	1960	3		0.2	1.24
		M	520	1640	5		0.3	1.17
		M	510	1900	25		1.3	1.43
		M	502	1600	4		0.3	1.26
		M	500	1660	39		2.4	1.33
		M	497	1300	9		0.7	1.06
	121-C	M	646	3650	105		3.0	1.35
		M	566	1940	5		0.3	1.07
	115	F	657	3400	310		10.0	1.20
		F	648	3700	190		5.4	1.36

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	616	3200	300		10.3	1.37
		F	598	3000	250		9.1	1.40
		F	598	2800	210		8.1	1.31
		F	596	3000	260		9.5	1.42
		F	588	2800	155		5.9	1.38
		F	583	2500	265		11.9	1.26
		F	553	2300	20		0.9	1.36
		F	544	2300	165		7.7	1.43
		F	540	2300	200		9.5	1.46
		F	540	2200	95		4.5	1.40
		F	524	2020	45		2.3	1.40
		F	524	1900	66		3.6	1.32
		M	637	3900	180		4.8	1.51
		M	624	3200	210		7.0	1.32
		M	622	3650	160		4.6	1.52
		M	610	3200	98		3.2	1.41
		M	608	3200	130		4.2	1.42
		M	604	3000	75		2.6	1.36
		M	588	3000	175		6.2	1.48
		M	565	2360	14		0.6	1.31
		M	552	2360	55		2.4	1.40
		M	552	2340	40		1.7	1.39
		M	550	2320	57		2.5	1.39
		M	545	2200	3		0.1	1.36
		M	510	1600	6		0.4	1.21
		M	510	1540	4		0.3	1.16
		M	507	1800	6		0.3	1.38
		M	485	1420	8		0.6	1.24
	112	F	646	3950	160		4.2	1.47
		F	616	3000	210		7.5	1.28
		F	597	2900	215		8.0	1.36
		F	593	2820	160		6.0	1.35
		F	590	2920	35		1.2	1.42
		F	582	2880	52		1.8	1.46
		F	576	2680	57		2.2	1.40
		F	573	2720	165		6.5	1.45
		F	558	2440	130		5.6	1.40
		F	558	2160	150		7.5	1.24
		F	555	2240	51		2.3	1.31
		F	553	2500	155		6.6	1.48
		F	486	1540	50		3.4	1.34
		M	630	3300	95		3.0	1.32
		M	626	3800	160		4.4	1.55
		M	610	3350	100		3.1	1.48
		M	606	3050	165		5.7	1.37
		M	596	2700	4		0.1	1.28
		M	587	3000	170		6.0	1.48
		M	586	2160	3		0.1	1.07
		M	580	2800	59		2.2	1.44
		M	564	2520	8		0.3	1.40
		M	564	2320	5		0.2	1.29
		M	546	2440	48		2.0	1.50
		M	535	2200	4		0.2	1.44
		M	517	2140	32		1.5	1.55
		M	498	1540	3		0.2	1.25
		M	484	1440	86		6.4	1.27
		M	478	1440	5		0.3	1.32
	106-C	F	526	1740	92		5.6	1.20
		F	470	1240	6		0.5	1.19
		M	596	3150	56		1.8	1.49
		M	518	1460	2		0.1	1.05
		M	490	1380	1		0.1	1.17
	93-C	F	474	1160	3		0.3	1.09
		M	450	1140	2		0.2	1.25
	82-C	M	664	4150	110		2.7	1.42
		M	610	3000	84		2.9	1.32
G17	157-C	F	610	3150	245		8.4	1.39
		F	604	2950	385		15.0	1.34
		F	586	2700	210		8.4	1.34
		M	664	3750	160		4.5	1.28
		M	634	3550	185		5.5	1.39
		M	600	3500	285		8.9	1.62
		M	550	2250	82		3.8	1.35
	138-C	F	604	3000	300		11.1	1.36
		F	590	2720	165		6.5	1.32
		F	580	2900	265		10.1	1.49
		F	566	2740	140		5.4	1.51
		F	518	1900	82		4.5	1.37
		M	660	4350	160		3.8	1.51
		M	628	3500	93		2.7	1.41
		M	610	3250	95		3.0	1.43
		M	606	3000	100		3.4	1.35
		M	604	3150	150		5.0	1.43
		M	600	3150	115		3.8	1.46
		M	520	1840	81		4.6	1.31
	124	F	614	3050	255		9.1	1.32
		F	610	3200	215		7.2	1.41
		F	610	3000	240		8.7	1.32
		F	610	3000	210		7.5	1.32
		F	610	2980	215		7.8	1.31
		F	600	2900	225		8.4	1.34
		F	584	2740	105		4.0	1.38
		F	582	2700	115		4.4	1.37
		F	580	2560	100		4.1	1.31
		F	566	2340	115		5.2	1.29
		F	548	2240	85		3.9	1.36
		M	654	3800	160		4.4	1.36
		M	650	3500	72		2.1	1.27
		M	634	4150	135		3.4	1.63
		M	626	3950	130		3.4	1.61
		M	626	3250	125		4.0	1.32
		M	622	3200	135		4.4	1.33
		M	618	3500	235		7.2	1.48
		M	614	3350	115		3.6	1.45
		M	600	3000	100		3.4	1.39
		M	590	2720	275		11.2	1.32
		M	590	2500	155		6.6	1.22
		M	584	2740	145		5.6	1.38
		M	584	2720	110		4.2	1.37
		M	580	2680	50		1.9	1.37
		M	558	2140	115		5.7	1.23
		M	556	2280	35		1.6	1.33
		M	540	2220	5		0.2	1.41
		M	516	2020	35		1.8	1.47
		M	498	1880	42		2.3	1.52
	121	F	622	3150	170		5.7	1.31
		F	612	3000	230		8.3	1.31
		F	610	3100	195		6.7	1.37
		F	606	2820	295		11.7	1.27
		F	598	2960	220		8.0	1.38
		F	596	2720	285		11.7	1.28
		F	596	2680	170		6.8	1.27
		F	590	2920	190		7.0	1.42
		F	590	2740	200		7.9	1.33
		F	588	2700	250		10.2	1.33
		F	580	2560	145		6.0	1.31
		F	578	2480	170		7.4	1.28
		F	570	2440	200		8.9	1.32
		F	566	2700	255		10.4	1.49
		F	560	2480	98		4.1	1.41
		F	550	2320	98		4.4	1.39
		F	520	1640	50		3.1	1.17
		M	680	4000	125		3.2	1.27
		M	654	3850	200		5.5	1.38
		M	632	3500	115		3.4	1.39
		M	630	3300	80		2.5	1.32
		M	624	3350	145		4.5	1.38
		M	610	3050	97		3.3	1.34
		M	606	2720	120		4.6	1.22
		M	600	3000	135		4.7	1.39

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	590	2900	74		2.6	1.41			M	600	3150	120		4.0	1.46
		M	576	2380	92		4.0	1.25			M	600	3000	80		2.7	1.39
		M	572	2700	110		4.2	1.44			M	584	3050	38		1.3	1.53
		M	550	2400	140		6.2	1.44			M	574	2600	96		3.8	1.37
		M	524	1840	82		4.7	1.28		106-C	F	600	3000	250		9.1	1.39
	121-C	F	604	3000	245		8.9	1.36			F	592	2440	180		8.0	1.18
		F	600	3050	210		7.4	1.41			F	582	3000	200		7.1	1.52
		F	584	2900	175		6.4	1.46			F	556	2380	105		4.6	1.38
		F	574	2680	285		11.9	1.42			F	556	2060	98		5.0	1.20
		F	560	2540	180		7.6	1.45			F	520	1700	37		2.2	1.21
		M	642	3850	180		4.9	1.45			M	634	3200	66		2.1	1.26
		M	620	3450	83		2.5	1.45			M	524	2000	52		2.7	1.39
		M	590	2840	80		2.9	1.38		82-C	M	480	1220	1		0.1	1.10
		M	564	2660	50		1.9	1.48		73-C	F	622	3350	235		7.5	1.39
	115	F	632	3000	115		4.0	1.19			F	590	2640	165		6.7	1.29
		F	626	3050	210		7.4	1.24			F	580	2380	94		4.1	1.22
		F	626	3000	200		7.1	1.22			F	630	3150	93		3.0	1.26
		F	614	3200	315		10.9	1.38	G18	157-C	F	665	4300	405		10.4	1.46
		F	614	3100	235		8.2	1.34			F	633	3500	365		11.6	1.38
		F	614	3050	190		6.6	1.32			F	620	3700	300		8.8	1.55
		F	596	2840	160		6.0	1.34			M	685	5150	335		7.0	1.60
		F	590	2700	190		7.6	1.31			M	665	4200	215		5.4	1.43
		F	590	2500	135		5.7	1.22			M	658	4500	20		0.4	1.58
		F	588	2740	260		10.5	1.35			M	654	3950	265		7.2	1.41
		F	584	2560	215		9.2	1.29			M	640	3750	115		3.2	1.43
		F	578	2520	150		6.3	1.31			M	638	3700	140		3.9	1.42
		F	574	2500	250		11.1	1.32			M	624	3300	97		3.0	1.36
		F	568	2440	165		7.3	1.33			M	622	3200	140		4.6	1.33
		F	564	2380	165		7.4	1.33			M	605	3000	100		3.4	1.35
		F	560	2440	150		6.6	1.39			M	570	2620	145		5.9	1.41
		F	554	2260	230		11.3	1.33		138-C	F	608	3300	165		5.3	1.47
		F	554	2100	150		7.7	1.24			F	608	2700	185		7.4	1.20
		F	550	2900	225		8.4	1.74			F	586	2940	175		6.3	1.46
		F	550	2320	90		4.0	1.39			F	552	2600	97		3.9	1.55
		M	638	3850	120		3.2	1.48			M	667	4350	195		4.7	1.47
		M	634	3350	130		4.0	1.31			M	644	3600	38		1.1	1.35
		M	630	3300	125		3.9	1.32			M	635	3550	180		5.3	1.39
		M	622	4100	165		4.2	1.70			M	632	3600	160		4.7	1.43
		M	620	3150	85		2.8	1.32			M	622	3200	92		3.0	1.33
		M	616	3100	110		3.7	1.33			M	612	3150	150		5.0	1.37
		M	616	2960	75		2.6	1.27			M	592	3200	97		3.1	1.54
		M	584	2780	78		2.9	1.40		124	F	628	3700	160		4.5	1.49
		M	572	2800	85		3.1	1.50			F	627	3100	260		9.2	1.26
		M	554	2420	70		3.0	1.42			F	624	3550	320		9.9	1.46
	112	F	660	4200	56		1.4	1.46			F	620	3150	310		10.9	1.32
		F	618	3100	225		7.8	1.31			F	618	3250	350		12.1	1.38
		F	614	3150	335		11.9	1.36			F	614	3350	235		7.5	1.45
		F	614	3150	215		7.3	1.36			F	614	3150	310		10.9	1.36
		F	610	3300	165		5.3	1.45			F	612	3250	265		8.9	1.42
		F	606	3050	235		8.3	1.37			F	593	3000	185		6.6	1.44
		F	604	3100	135		4.6	1.41			F	592	2980	245		9.0	1.44
		F	602	2900	300		11.5	1.33			F	590	2920	210		7.7	1.42
		F	600	2960	165		5.9	1.37			F	577	2740	225		8.9	1.43
		F	600	2800	155		5.9	1.30			F	568	2420	280		13.1	1.32
		F	592	3050	225		8.0	1.47			F	557	2520	100		4.1	1.46
		F	590	2500	185		8.0	1.22			F	555	2500	84		3.5	1.46
		F	580	2800	250		9.8	1.44			F	548	2000	95		5.0	1.22
		F	576	2800	175		6.7	1.47			F	525	2340	75		3.3	1.62
		F	570	2600	155		6.3	1.40			M	644	3750	250		7.1	1.40
		F	564	2560	150		6.2	1.43			M	622	3500	155		4.6	1.45
		F	564	2340	235		11.2	1.30			M	622	3500	100		2.9	1.45
		F	560	2440	29		1.2	1.39			M	617	3300	69		2.1	1.40
		F	546	2040	165		8.8	1.25			M	616	3150	80		2.6	1.35
		F	544	2380	100		4.4	1.48			M	613	3150	140		4.7	1.37
		F	524	2020	54		2.7	1.40			M	612	3500	150		4.5	1.53
		F	490	1580	38		2.5	1.34			M	580	2700	150		5.9	1.38
		M	616	2800	94		3.5	1.20			M	545	2520	120		5.0	1.56
		M	610	3550	195		5.8	1.56			M	536	2340	50		2.2	1.52
		M	610	3150	120		4.0	1.39			M	528	1860	5		0.3	1.26
		M	604	3200	46		1.5	1.45			M	518	2020	65		3.3	1.45

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	494	1680	5		0.3	1.39
	121	F	640	3400	250		7.9	1.30
		F	622	3300	295		9.8	1.37
		F	620	2640	235		9.8	1.11
		F	618	3100	245		8.6	1.31
		F	602	3000	285		10.5	1.38
		F	602	2840	240		9.2	1.30
		F	600	2700	270		11.1	1.25
		F	596	3250	195		6.4	1.54
		F	596	2960	225		8.2	1.40
		F	584	2600	145		5.9	1.31
		F	578	2440	125		5.4	1.26
		F	574	3420	200		6.2	1.81
		F	560	2320	185		8.7	1.32
		F	552	2420	215		9.8	1.44
		F	546	2060	30		1.5	1.27
		F	544	2520	130		5.4	1.57
		F	518	1940	85		4.6	1.40
		M	678	4200	210		5.3	1.35
		M	675	4050	150		3.8	1.32
		M	658	3950	145		3.8	1.39
		M	648	3500	215		6.5	1.29
		M	637	3700	155		4.4	1.43
		M	636	3850	225		6.2	1.50
		M	634	3600	155		4.5	1.41
		M	630	3600	185		5.4	1.44
		M	610	3500	165		4.9	1.54
		M	602	3400	115		3.5	1.56
		M	596	3000	92		3.2	1.42
		M	528	2600	57		2.2	1.77
		M	520	1920	90		4.9	1.37
	121-C	F	610	3200	235		7.9	1.41
		F	574	2740	265		10.7	1.45
		F	555	2260	245		12.2	1.32
		F	492	1500	74		5.2	1.26
		M	608	3150	250		8.6	1.40
		M	592	2460	3		0.1	1.19
	115	F	660	3400	355		11.7	1.18
		F	640	3350	185		5.8	1.28
		F	632	3250	300		10.2	1.29
		F	612	3250	345		11.9	1.42
		F	612	3000	240		8.7	1.31
		F	609	2800	350		14.3	1.24
		F	604	3000	200		7.1	1.36
		F	593	2960	215		7.8	1.42
		F	590	3000	260		9.5	1.46
		F	590	2640	140		5.6	1.29
		F	582	2460	195		8.6	1.25
		F	580	2500	200		8.7	1.28
		F	567	2460	150		6.5	1.35
		F	562	2340	150		6.8	1.32
		F	558	2460	130		5.6	1.42
		F	556	2300	97		4.4	1.34
		F	546	2060	200		10.8	1.27
		M	682	4750	260		5.8	1.50
		M	652	3850	205		5.6	1.39
		M	644	3550	175		5.2	1.33
		M	624	3250	140		4.5	1.34
		M	623	3300	95		3.0	1.36
		M	623	3050	71		2.4	1.26
		M	596	2900	160		5.8	1.37
		M	583	2720	105		4.0	1.37
		M	576	2460	70		2.9	1.29
		M	565	2720	47		1.8	1.51
		M	558	2560	110		4.5	1.47
		M	548	2300	120		5.5	1.40
		M	492	1460	3		0.2	1.23
	112	F	637	3550	320		9.9	1.37
		F	637	3150	275		9.6	1.22
		F	620	2900	185		6.8	1.22
		F	610	2840	200		7.6	1.25
		F	609	3100	200		6.9	1.37
		F	607	3150	150		5.0	1.41
		F	603	2860	300		11.7	1.30
		F	595	2700	155		6.1	1.28
		F	587	2720	200		7.9	1.34
		F	586	2860	315		12.4	1.42
		F	586	2540	320		14.4	1.26
		F	573	2660	46		1.8	1.41
		F	571	2420	235		10.8	1.30
		F	570	2600	215		9.0	1.40
		F	570	2600	73		2.9	1.40
		F	564	2180	125		6.1	1.22
		F	560	2280	275		13.7	1.30
		F	518	1900	250		15.2	1.37
		M	675	3650	180		5.2	1.19
		M	643	3750	195		5.5	1.41
		M	638	3850	96		2.6	1.48
		M	635	3600	190		5.6	1.41
		M	630	3300	115		3.6	1.32
		M	630	2760	12		0.4	1.10
		M	624	3300	123		3.9	1.36
		M	613	3550	150		4.4	1.54
		M	608	3100	5		0.2	1.38
		M	600	3400	115		3.5	1.57
		M	540	2040	86		4.4	1.30
		M	518	1920	38		2.0	1.38
	106-C	F	586	2500	250		11.1	1.24
		F	504	1560	78		5.3	1.22
		F	500	1580	72		4.8	1.26
		M	506	1600	92		6.1	1.24
		M	498	1460	61		4.4	1.18
		F	562					
		F	480					
		F	480					
		F	478					
		F	466					
		F	466					
		F	464					
		F	460					
		F	458					
		F	456					
		F	456					
		F	456					
		F	456					
		F	454					
		F	454					
		F	452					
		F	452					
		F	452					
		F	450					
		F	450					
		F	448					
		F	446					
		F	444					
		F	444					
		F	444					
		F	442					
		F	440					
		F	438					
		F	438					
		F	436					
		F	434					
		F	434					
		F	434					
		F	430					
		F	420					
		F	418					
		F	408					
		M	524					

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	500					
		M	490					
		M	488					
		M	480					
		M	484					
		M	484					
		M	482					
		M	480					
		M	480					
		M	474					
		M	472					
		M	470					
		M	470					
		M	464					
		M	452					
		M	450					
		M	448					
		M	448					
		M	440					
		M	440					
		M	434					
		M	434					
		M	434					
		M	432					
		M	430					
		M	418					
	93-C	F	590	2900	210		7.8	1.41
	82-C	F	590	2820	215		8.3	1.37
		M	638	3700	82		2.3	1.42
G19	157-C	F	614	3200	365		12.9	1.38
		F	604	2940	260		9.7	1.33
		F	596	3000	200		7.1	1.42
		F	596	2920	240		9.0	1.38
		M	646	3650	170		4.9	1.35
		M	612	2100	125		6.3	0.92
		M	606	3100	195		6.7	1.39
		M	600	3150	185		6.2	1.46
	138-C	F	640	3400	315		10.2	1.30
		F	632	3350	290		9.5	1.33
		F	582	2600	260		11.1	1.32
		F	576	2680	195		7.8	1.40
		F	556	2420	165		7.3	1.41
		F	550	2200	100		4.8	1.32
		F	504	1540	71		4.8	1.20
		M	636	3850	185		5.0	1.50
		M	626	3250	180		5.9	1.32
		M	620	3300	190		6.1	1.38
	124	F	646	3700	290		8.5	1.37
		F	634	3200	240		8.1	1.26
		F	630	3400	235		7.4	1.36
		F	620	2900	205		7.6	1.22
		F	618	3250	230		7.6	1.38
		F	604	3100	230		8.0	1.41
		F	600	3050	300		10.9	1.41
		F	590	2700	240		9.8	1.31
		F	580	2500	260		11.6	1.28
		F	578	3000	215		7.7	1.55
		F	574	2460	170		7.4	1.30
		F	560	2380	215		9.9	1.36
		F	560	2280	145		6.8	1.30
		F	550	2280	100		4.6	1.37
		F	548	2260	295		15.0	1.37
		F	546	1740	83		5.0	1.07
		F	536	1900	140		8.0	1.23
		M	650	4050	265		7.0	1.47
		M	638	3500	250		7.7	1.35
		M	630	3300	170		5.4	1.32
		M	608	3200	180		6.0	1.42
		M	600	3100	78		2.6	1.44
		M	592	2980	74		2.5	1.44

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	582	2560	125		5.1	1.30
		M	570	2740	150		5.8	1.48
		M	570	2720	92		3.5	1.47
		M	564	2600	6		0.2	1.45
		M	556	2260	4		0.2	1.31
		M	546	2400	38		1.6	1.47
		M	500	1800	12		0.7	1.44
	121	F	624	3250	245		8.2	1.34
		F	624	3050	210		7.4	1.26
		F	620	3250	175		5.7	1.36
		F	620	3150	235		8.1	1.32
		F	618	2900	245		9.2	1.23
		F	604	3200	240		8.1	1.45
		F	604	3200	210		7.0	1.45
		F	604	3000	390		14.9	1.36
		F	600	2940	210		7.7	1.36
		F	594	2660	160		6.4	1.27
		F	582	2860	215		8.1	1.45
		F	580	2540	215		9.2	1.30
		F	580	2480	160		6.9	1.27
		F	574	2760	145		5.5	1.46
		F	570	2720	130		5.0	1.47
		F	570	2600	210		8.8	1.40
		F	568	2540	150		6.3	1.39
		F	564	2640	190		7.8	1.47
		F	552	1940	190		10.9	1.15
		F	544	2100	16		0.8	1.30
		M	646	4000	160		4.2	1.48
		M	636	3450	155		4.7	1.34
		M	634	3350	145		4.5	1.31
		M	632	3600	165		4.8	1.43
		M	630	3750	155		4.3	1.50
		M	620	4000	250		6.7	1.68
		M	610	3250	94		3.0	1.43
		M	606	3100	120		4.0	1.39
		M	592	2700	200		8.0	1.30
		M	582	3000	115		4.0	1.52
	121-C	F	608	3050	155		5.4	1.36
		F	590	2820	180		6.8	1.37
		F	560	2440	190		8.4	1.39
		F	546	3500	140		4.2	2.15
		F	498	1640	93		6.0	1.33
	115	F	650	3750	335		9.8	1.37
		F	650	3400	245		7.8	1.24
		F	640	3750	350		10.3	1.43
		F	616	3500	290		9.0	1.50
		F	612	2820	210		8.0	1.23
		F	606	3200	250		8.5	1.44
		F	604	3100	225		7.8	1.41
		F	594	2920	400		15.9	1.39
		F	590	2900	250		9.4	1.41
		F	590	2820	245		9.5	1.37
		F	580	1620	310		23.7	0.83
		F	574	3000	250		9.1	1.59
		F	574	2580	155		6.4	1.36
		F	568	2640	180		7.3	1.44
		M	620	3600	145		4.2	1.51
		M	618	3350	145		4.5	1.42
		M	606	2740	150		5.8	1.23
		M	604	3050	155		5.4	1.38
		M	600	2860	140		5.1	1.32
		M	596	2900	85		3.0	1.37
		M	594	3150	160		5.4	1.50
		M	590	2920	130		4.7	1.42
		M	576	3150	150		5.0	1.65
		M	560	2060	125		6.5	1.17
		M	556	2140	87		4.2	1.25
		M	510	1720	6		0.4	1.30
		M	502	1920	45		2.4	1.52
		M	496	1420	3		0.2	1.16

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	490	1580	5		0.3	1.34
		M	484	1340	5		0.4	1.18
	112	F	644	3100	70		2.3	1.16
		F	636	3300	260		8.6	1.28
		F	620	3200	200		6.7	1.34
		F	610	3050	190		6.6	1.34
		F	610	2920	280		10.6	1.29
		F	606	3200	215		7.2	1.44
		F	606	2880	205		7.7	1.29
		F	602	3050	250		8.9	1.40
		F	600	3000	175		6.2	1.39
		F	600	2860	300		11.7	1.32
		F	584	2900	200		7.4	1.46
		F	580	2400	175		7.9	1.23
		F	570	2440	225		10.2	1.32
		F	564	2500	240		10.6	1.39
		F	560	2140	69		3.3	1.22
		F	574	2640	250		10.5	1.40
		F	552	2140	155		7.8	1.27
		F	540	2020	185		10.1	1.28
		F	474	1400	9		0.6	1.31
		M	646	3500	175		5.3	1.30
		M	640	3600	240		7.1	1.37
		M	606	3050	175		6.1	1.37
		M	600	3050	140		4.8	1.41
		M	574	2440	125		5.4	1.29
		M	562	2660	105		4.1	1.50
		M	546	2060	110		5.6	1.27
		M	526	2460	58		2.4	1.69
		M	524	1740	5		0.3	1.21
		M	496	1560	4		0.3	1.28
		M	480	1320	7		0.5	1.19
	106-C	F	470	1140	105		10.1	1.10
		M	594	2700	43		1.6	1.29
		M	566	2340	130		5.9	1.29
		M	556	2340	70		3.1	1.36
		M	460	1080	3		0.3	1.11
	93-C	F	574	2580	135		5.5	1.36
		F	534	2160	215		11.1	1.42
	82-C	M	490	1280	1		0.1	1.09
G20	157-C	F	610	3200	56		1.8	1.41
		M	632	3300	92		2.9	1.31
	138-C	F	616	3200	165		5.4	1.37
		F	600	2800	145		5.5	1.30
		F	594	2500	52		2.1	1.19
		M	564	2640	130		5.2	1.47
		M	530	1720	10		0.6	1.16
		M	514	2000	120		6.4	1.47
	124	F	622	3000	300		11.1	1.25
		F	606	2860	44		1.6	1.29
		F	592	2520	160		6.8	1.21
		F	592	2420	200		9.0	1.17
		F	574	2580	190		7.9	1.36
		F	560	2440	53		2.2	1.39
		F	530	1940	14		0.7	1.30
		F	520	1880	8		0.4	1.34
		F	506	1540	12		0.8	1.19
		F	504	1660	25		1.5	1.30
		F	482	1480	90		6.5	1.32
		M	620	2580	10		0.4	1.08
		M	610	3050	82		2.8	1.34
		M	604	2760	11		0.4	1.25
		M	584	2440	19		0.8	1.23
		M	564	2440	5		0.2	1.36
		M	564	2000	4		0.2	1.11
		M	546	2140	32		1.5	1.31
		M	540	1040	60		6.1	0.66
		M	536	2020	2		0.1	1.31
		M	532	2020	10		0.5	1.34
		M	530	1940	15		0.8	1.30
		M	516	1900	5		0.3	1.38
		M	504	1540	4		0.3	1.20
		M	500	1680	3		0.2	1.34
		M	500	1580	4		0.3	1.26
		M	500	1500	9		0.6	1.20
		M	500	1480	3		0.2	1.18
		M	494	1620	4		0.2	1.34
		M	446	1300	3		0.2	1.47
	121	F	578	2440	32		1.3	1.26
		F	550	2500	80		3.3	1.50
		F	550	2000	44		2.2	1.20
		F	546	2400	135		6.0	1.47
		F	546	1980	140		7.6	1.22
		F	536	2200	96		4.6	1.43
		F	516	1860	13		0.7	1.35
		F	516	1800	32		1.8	1.31
		F	510	1660	8		0.5	1.25
		F	500	1620	6		0.4	1.30
		F	500	1560	160		11.4	1.25
		F	470	1380	13		1.0	1.33
		F	457	1280	12		0.9	1.34
		M	616	2920	13		0.4	1.25
		M	600	3300	155		4.9	1.53
		M	574	2420	3		0.1	1.28
		M	560	2460	2		0.1	1.40
		M	542	1880	4		0.2	1.18
		M	540	1860	3		0.2	1.18
		M	530	1920	4		0.2	1.29
		M	526	1720	3		0.2	1.18
		M	514	1760	2		0.1	1.30
		M	506	1560	2		0.1	1.20
		M	500	1720	5		0.3	1.38
		M	500	1620	2		0.1	1.30
		M	490	1300	6		0.5	1.10
		M	490	1300	2		0.2	1.10
		M	470	1320	3		0.2	1.27
		M	470	1280	4		0.3	1.23
		M	470	1180	4		0.3	1.14
	121-C	F	518	2080	16		0.8	1.50
		F	500	1540	5		0.3	1.23
		F	480	1440	9		0.6	1.30
		F	478	1320	8		0.6	1.21
		F	470	1260	11		0.9	1.21
		M	580	2600	74		2.9	1.33
		M	550	1860	4		0.2	1.12
		M	514	1740	3		0.2	1.28
		M	480	1540	4		0.3	1.39
	115	F	598	1620	15		0.9	0.76
		F	550	2360	86		3.8	1.42
		F	514	1500	17		1.1	1.10
		F	510	1920	95		5.2	1.45
		F	500	1420	26		1.9	1.14
		F	490	1480	9		0.6	1.26
		F	488	1340	12		0.9	1.15
		F	466	1220	6		0.5	1.21
		F	460	1300	8		0.6	1.34
		F	460	1180	5		0.4	1.21
		M	626	3300	150		4.8	1.35
		M	580	2960	53		1.8	1.52
		M	580	2840	115		4.2	1.46
		M	576	2920	35		1.2	1.53
		M	546	2040	6		0.3	1.25
		M	540	2220	2		0.1	1.41
		M	538	2000	10		0.5	1.28
		M	530	1940	34		1.8	1.30
		M	530	1820	11		0.6	1.22
		M	530	1780	13		0.7	1.20
		M	514	1520	4		0.3	1.12
		M	500	1600	3		0.2	1.28
		M	500	1440	4		0.3	1.15

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	496	1440	8		0.6	1.18
		M	494	1460	4		0.3	1.21
		M	490	1500	7		0.5	1.27
		M	488	1420	6		0.4	1.22
		M	486	1320	3		0.2	1.15
		M	484	1420	4		0.3	1.25
		M	480	1460	3		0.2	1.32
	112	F	566	2500	40		1.6	1.38
		F	534	1880	33		1.8	1.23
		F	524	1620	12		0.7	1.13
		F	510	1460	6		0.4	1.10
		F	500	1620	10		0.6	1.30
		F	494	1300	8		0.6	1.08
		F	480	1160	9		0.8	1.05
		F	476	1340	6		0.4	1.24
		F	474	1340	6		0.4	1.26
		F	470	1240	7		0.6	1.19
		F	470	1220	13		1.1	1.18
		F	470	1140	8		0.7	1.10
		F	470	1100	9		0.8	1.06
		F	464	1120	10		0.9	1.12
		F	454	1040	10		1.0	1.11
		F	430	1060	10		1.0	1.33
		M	610	2800	130		4.9	1.23
		M	600	3200	130		4.2	1.48
		M	570	1720	2		0.1	0.93
		M	550	2160	2		0.1	1.30
		M	510	1540	4		0.3	1.16
		M	510	1520	9		0.6	1.15
		M	506	1520	2		0.1	1.17
		M	504	1700	2		0.1	1.33
		M	498	1500	5		0.3	1.21
		M	486	1520	8		0.5	1.32
		M	486	1500	5		0.3	1.31
		M	484	1520	3		0.2	1.34
		M	480	1260	5		0.4	1.14
		M	468	1260	3		0.2	1.23
	106-C	F	534	2060	22		1.1	1.35
		F	512	1640	19		1.2	1.22
		F	500	1500	10		0.7	1.20
		F	490	1400	10		0.7	1.19
		F	476	1260	6		0.5	1.17
		F	466	1240	15		1.2	1.23
		F	436	1140	3		0.3	1.38
		M	526	1780	20		1.1	1.22
		M	500	1460	2		0.1	1.17
		M	480	1500	3		0.2	1.36
		M	480	1260	4		0.3	1.14
		M	470	1400	3		0.2	1.35
		M	470	1380	1		0.1	1.33
		M	462	1280	2		0.2	1.30
	93-C	F	484	1300	7		0.5	1.15
		F	470	1320	8		0.6	1.27
		F	470	1080	9		0.8	1.04
		F	454	980	5		0.5	1.05
		M	516	1580	7		0.4	1.15
		M	510	1600	2		0.1	1.21
		M	486	1340	4		0.3	1.17
		M	460	1020	4		0.4	1.05
	82-C	F	460	1000	6		0.6	1.03
		F	370	480	2		0.4	0.95
		F	358	420	2		0.5	0.92
		F	354	500	2		0.4	1.13
		F	354	430	1		0.2	0.97
		F	350	420	3		0.7	0.98
		F	346	500	2		0.4	1.21
		F	320	340	1		0.3	1.04
	82-C	M	388	660	2		0.3	1.13
		M	374	540	2		0.4	1.03
		M	370	520	4		0.8	1.03

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	364	460	3		0.7	0.95
		M	360	460	2		0.4	0.99
		M	360	420	3		0.7	0.90
		M	354	440	2		0.5	0.99
		M	352	480	3		0.6	1.10
		M	345	380	2		0.5	0.93
		M	334	360	2		0.6	0.97
	72-C	F	456	820	4		0.5	0.86
		F	414	680	2		0.3	0.96
		F	364	530	3		0.6	1.10
		F	360	460	2		0.4	0.99
		F	356	460	2		0.4	1.02
		F	354	420	3		0.7	0.95
		F	352	380	3		0.8	0.87
		F	350	420	2		0.5	0.98
		F	350	360	4		1.1	0.84
		F	348	380	1		0.3	0.90
		F	346	360	1		0.3	0.87
		F	344	400	2		0.5	0.98
		F	342	420	2		0.5	1.05
		F	338	380	3		0.8	0.98
		F	334	360	2		0.6	0.97
		F	332	340	2		0.6	0.93
		F	330	340	3		0.9	0.95
		M	370	560	5		0.9	1.11
		M	370	480	2		0.4	0.95
		M	360	460	1		0.2	0.99
		M	352	400	2		0.5	0.92
		M	350	460	1		0.2	1.07
		M	350	460	1		0.2	1.07
		M	346	440	2		0.5	1.06
		M	346	400	1		0.3	0.97
		M	344	380	2		0.5	0.93
		M	332	360	1		0.3	0.98
		M	324	360	2		0.6	1.06
	63-C	F	350	440	2		0.5	1.03
		F	346	400	2		0.5	0.97
		F	344	440	3		0.7	1.08
		F	340	380	4		1.1	0.97
		M	354	420	1		0.2	0.95
		M	354	400	2		0.5	0.90
		M	350	400	3		0.8	0.93
	L-L	F	586	3050	130		4.5	1.52
		F	514	1780	16		0.9	1.31
		M	552	2340	43		1.9	1.39
		F	652					
		F	604					
		M	585					
G21	138-C	M	584	2740	80		3.0	1.38
		M	583	2200	37		1.7	1.11
	124	F	606	2660	150		6.0	1.20
		F	598	2660	145		5.8	1.24
		F	582	2540	49		2.0	1.29
		F	516	1700	30		1.8	1.24
		F	498	1560	12		0.8	1.26
		M	607	2920	86		3.0	1.31
		M	555	2220	2		0.1	1.30
		M	533	2040	65		3.3	1.35
		M	474	1300	3		0.2	1.22
	121	F	578	2280	126		5.8	1.18
		F	524	1760	15		0.9	1.22
		F	510	1720	14		0.8	1.30
		F	495	1500	13		0.9	1.24
		M	488	1500	2		0.1	1.29
	121-C	M	504	1740	5		0.3	1.36
	115	F	518	1740	14		0.8	1.25
		M	560	2700	87		3.3	1.54
		M	558	2200	105		5.0	1.27
		M	550	2020	65		3.3	1.21
		M	545	1940	28		1.5	1.20

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	542	2060	80		4.0	1.29	G24	138-C	F	610	3100	275		9.7	1.37
		M	490	1560	3		0.2	1.33			M	552	2320	125		5.7	1.38
	112	F	604	2250	155		7.4	1.02		124	F	590	3000	82		2.8	1.46
		F	580	2640	71		2.8	1.35			F	528	2120	165		8.4	1.44
		F	576	2680	110		4.3	1.40			M	570	2600	165		6.8	1.40
		M	550	2040	70		3.6	1.23		121	F	540	1820	12		0.7	1.16
		M	532	2100	38		1.8	1.39		112	F	630	3200	345		12.1	1.28
		M	510	1460	4		0.3	1.10			M	586	2960	190		6.9	1.47
	93-C	F	370	560	2		0.4	1.11			M	576	2340	78		3.4	1.22
		F	368	540	3		0.6	1.08		106-C	M	546	1840	3		0.2	1.13
		M	375	580	1		0.2	1.10	G25	138-C	M	540	2240	120		5.7	1.42
	82-C	F	390	720	4		0.6	1.21		124	F	620	3350	290		9.5	1.41
		F	352	480	3		0.6	1.10			F	620	3050	260		9.3	1.28
		M	370	520	3		0.6	1.03			F	606	2560	155		6.4	1.15
		M	362	560	2		0.4	1.18			F	600	2670	120		4.7	1.24
		M	360	540	4		0.7	1.16			F	542	2200	150		7.3	1.38
		M	360	480	2		0.4	1.03			F	526	1680	33		2.0	1.15
		M	350	420	4		1.0	0.98			M	638	4350	200		4.8	1.68
		M	338	420	1		0.2	1.09			M	582	2640	4		0.2	1.34
	72-C	F	376	580	3		0.5	1.09			M	572	3000	95		3.3	1.60
		F	346	460	4		0.9	1.11			M	558	2560	68		2.7	1.47
		M	388	620	2		0.3	1.06			M	490	1700	2		0.1	1.44
		M	360	500	1		0.2	1.07		121	F	610	2950	115		4.1	1.30
	63-C	M	346	420	1		0.2	1.01			F	610	2840	250		9.7	1.25
		M	337	440	2		0.5	1.15			F	600	2800	160		6.1	1.30
G22	124	F	584	2600	50		2.0	1.31			F	541	2000	45		2.3	1.26
		F	550	2300	150		7.0	1.38			M	664	3850	180		4.9	1.32
		F	506	1560	58		3.9	1.20			M	624	3200	63		2.0	1.32
		M	624	3500	76		2.2	1.44			M	607	3100	140		4.7	1.39
		M	496	1440	1		0.1	1.18			M	550	2100	140		7.1	1.26
	121	F	510	1560	14		0.9	1.18		115-C	F	658	3650	98		2.8	1.28
		F	480	1240	12		1.0	1.08			F	640	3700	310		9.1	1.41
		M	584	2600	60		2.4	1.31			F	633	3850	245		6.8	1.52
	121-C	F	534	2060	50		2.5	1.35			F	577	2700	180		7.1	1.41
		M	572	2420	40		1.7	1.29			F	575	2900	225		8.4	1.53
	115	F	556	2300	100		4.5	1.34			F	574	2300	260		12.7	1.22
		M	578	2440	93		4.0	1.26			F	540	2000	80		4.2	1.27
	112	F	596	2740	67		2.5	1.29			F	540	1950	150		8.3	1.24
		F	480	1200	10		0.8	1.09			F	530	1980	98		5.2	1.33
		M	510	1640	37		2.3	1.24			M	634	3650	190		5.5	1.43
		M	472	1200	4		0.3	1.14			M	555	2150	30		1.4	1.26
		M	472	1200	2		0.2	1.14		112	F	614	2840	68		2.5	1.23
	93-C	M	578	1980	21		1.1	1.03			F	592	3000	220		7.9	1.45
		M	448	960	11		1.2	1.07			F	587	2500	215		9.4	1.24
	82-C	F	374	620	2		0.3	1.19			F	566	2160	45		2.1	1.19
		F	366	580	1		0.2	1.18			F	525	1850	13		0.7	1.28
		F	362	540	1		0.2	1.14			F	498	1500	11		0.7	1.21
		M	442	1080	22		2.1	1.25			F	492	1640	120		7.9	1.38
G23	138-C	M	554	2220	155		7.5	1.31			F	473	1350	12		0.9	1.28
	124	F	630	3250	94		3.0	1.30			F	462	1360	26		1.9	1.38
		F	624	3150	135		4.5	1.30			F	446	1160	11		1.0	1.31
		F	594	2350	63		2.8	1.12			M	640	3900	67		1.7	1.49
		F	590	2600	96		3.8	1.27			M	600	2600	160		6.6	1.20
		F	580	2650	150		6.0	1.36			M	560	2400	140		6.2	1.37
		M	610	3100	110		3.7	1.37			M	530	2150	150		7.5	1.44
		M	578	2150	52		2.5	1.11			M	504	1400	4		0.3	1.09
	121	F	614	3200	105		3.4	1.38			M	470	1200	3		0.3	1.16
		F	562	2380	145		6.5	1.34			M	563	2360	87		3.8	1.32
		F	490	1420	11		0.8	1.21	G26	157-C	F	660	3950	67		1.7	1.37
		M	670	2580	57		2.3	0.86			F	652	4250	425		11.1	1.53
		M	536	2160	100		4.9	1.40			F	620	3400	310		10.0	1.43
	115	F	648	4000	295		8.0	1.47			M	674	4550	315		7.4	1.49
		F	588	2540	125		5.2	1.25			M	654	3950	265		7.2	1.41
		F	560	2560	84		3.4	1.46			M	616	3500	170		5.1	1.50
	112	F	606	2800	89		3.3	1.26		138-C	F	636	3450	295		9.4	1.34
		F	592	2740	150		5.8	1.32			F	630	3400	385		12.8	1.36
		F	522	2040	96		4.9	1.43			F	630	3100	330		11.9	1.24
		M	576	2360	93		4.1	1.23			F	616	3300	255		8.4	1.41
		M	522	2040	87		4.5	1.43			F	594	2650	245		10.2	1.26
	82-C	F	382	680	1		0.1	1.22			M	674	4750	235		5.2	1.55

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	652	3850	200		5.5	1.39			F	606	3250	310		10.5	1.46
		M	644	3550	165		4.9	1.33			F	606	3100	350		12.7	1.39
	124	F	666	4200	395		10.4	1.42			F	604	3500	320		10.1	1.59
		F	656	3550	170		5.0	1.26			F	600	3000	295		10.9	1.39
		F	652	3850	350		10.0	1.39			F	582	2740	240		9.6	1.39
		F	650	3850	360		10.3	1.40			F	562	2640	250		10.5	1.49
		F	640	3500	125		3.7	1.34			M	670	4700	245		5.5	1.56
		F	634	3150	290		10.1	1.24			M	670	3950	210		5.6	1.31
		F	632	3550	310		9.6	1.41			M	656	5050	320		6.8	1.79
		F	630	3500	160		4.8	1.40			M	656	4700	250		5.6	1.66
		F	628	3450	315		10.0	1.39			M	652	4500	215		5.0	1.62
		F	624	3400	400		13.3	1.40			M	640	3550	230		6.9	1.35
		F	624	3150	355		12.7	1.30			M	634	4150	230		5.9	1.63
		F	620	3450	145		4.4	1.45			M	632	4100	175		4.5	1.62
		F	614	3050	280		10.1	1.32			M	628	3400	250		7.9	1.37
		F	608	3050	350		13.0	1.36			M	612	3050	180		6.3	1.33
		F	604	3100	350		12.7	1.41			M	610	3700	255		7.4	1.63
		F	602	3000	280		10.3	1.38			M	536	1980	4		0.2	1.29
		F	598	3050	355		13.2	1.43			M	532	3750	96		2.6	2.49
		F	598	3000	300		11.1	1.40			M	502	1760	115		7.0	1.39
		F	592	2520	295		13.3	1.21		112	F	660	3100	115		3.9	1.08
		M	680	3800	240		6.7	1.21			F	656	4150	395		10.5	1.47
		M	672	3400	140		4.3	1.12			F	650	3350	270		8.8	1.22
		M	662	4050	270		7.1	1.40			F	646	3850	135		3.6	1.43
		M	660	4200	145		3.6	1.46			F	638	3100	300		10.7	1.19
		M	644	3800	230		6.4	1.42			F	630	3200	290		10.0	1.28
		M	642	3700	245		7.1	1.40			F	628	3500	315		9.9	1.41
		M	642	3700	195		5.6	1.40			F	628	3450	350		11.3	1.39
		M	636	3400	68		2.0	1.32			F	624	3450	400		13.1	1.42
		M	624	3300	220		7.1	1.36			F	624	3400	390		13.0	1.40
		M	616	2920	190		7.0	1.25			F	622	3300	385		13.2	1.37
		M	576	2660	200		8.1	1.39			F	620	3550	300		9.2	1.49
	121	F	650	3950	410		11.6	1.44			F	618	2900	275		10.5	1.23
		F	650	3100	110		3.7	1.13			F	616	3650	465		14.6	1.56
		F	640	3800	350		10.1	1.45			F	616	3200	370		13.1	1.37
		F	632	3500	405		13.1	1.39			F	610	2940	390		15.3	1.30
		F	630	3400	325		10.6	1.36			F	608	3100	340		12.3	1.38
		F	628	3300	325		10.9	1.33			F	606	2840	360		14.5	1.28
		F	624	3450	300		9.5	1.42			F	594	3000	295		10.9	1.43
		F	622	3150	400		14.5	1.31			F	584	2380	340		16.7	1.19
		F	620	3400	270		8.6	1.43			F	580	2800	285		11.3	1.44
		F	604	3000	115		4.0	1.36			F	578	2560	275		12.0	1.33
		F	596	2980	360		13.7	1.41			F	558	2600	300		13.0	1.50
		F	590	2760	300		12.2	1.34			M	650	4050	260		6.9	1.47
		F	564	2620	250		10.5	1.46			M	642	3850	265		7.4	1.45
		M	696	4800	230		5.0	1.42			M	638	3650	195		5.6	1.41
		M	668	3650	85		2.4	1.22			M	628	4000	290		7.8	1.62
		M	650	3600	210		6.2	1.31			M	614	2920	156		5.6	1.26
		M	644	4000	210		5.5	1.50			M	596	2940	145		5.2	1.39
		M	642	3650	210		6.1	1.38			M	584	2860	200		7.5	1.44
		M	638	4050	250		6.6	1.56		82-C	F	640	3850	410		11.9	1.47
		M	628	3800	245		6.9	1.53			M	483	1320	69		5.5	1.17
		M	610	3500	215		6.5	1.54	G27	157-C	F	640	3350	290		9.5	1.28
		M	606	3550	300		9.2	1.60			F	616	3300	370		12.6	1.41
		M	606	3050	215		7.6	1.37			F	562	2800	255		10.0	1.58
		M	600	3000	195		7.0	1.39			M	662	4450	250		6.0	1.53
		M	600	2940	180		6.5	1.36		138-C	F	640	3800	445		13.3	1.45
		M	600	2800	150		5.7	1.30			F	630	3400	340		11.1	1.36
		M	576	2600	135		5.5	1.36			F	612	3050	285		10.3	1.33
		M	570	2800	195		7.5	1.51			F	610	3250	265		8.9	1.43
	115	F	658	4050	355		9.6	1.42			F	600	3000	270		9.9	1.39
		F	650	3700	400		12.1	1.35			M	642	3400	5		0.1	1.28
		F	648	3950	125		3.3	1.45			M	632	3300	225		7.3	1.31
		F	648	3950	125		3.3	1.45			M	580	2820	145		5.4	1.45
		F	642	3900	310		8.6	1.47		124	F	638	3100	375		13.8	1.19
		F	640	3650	440		13.7	1.39			F	636	3450	480		16.2	1.34
		F	634	3400	255		8.1	1.33			F	632	4000	350		9.6	1.58
		F	626	3450	415		13.7	1.41			F	630	3350	400		13.6	1.34
		F	620	2960	260		9.6	1.24			F	626	3100	310		11.1	1.26
		F	616	3500	360		11.5	1.50			F	624	3430	380		12.5	1.41

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	624	3330	285		9.4	1.37
		F	620	3500	295		9.2	1.47
		F	610	3150	360		12.9	1.39
		F	610	2880	345		13.6	1.27
		F	606	3400	320		10.4	1.53
		F	604	3200	335		11.7	1.45
		F	600	3050	280		10.1	1.41
		F	596	2950	310		11.7	1.39
		F	594	2840	295		11.6	1.36
		F	594	2500	255		11.4	1.19
		F	592	3150	130		4.3	1.52
		F	578	2350	275		13.3	1.22
		F	570	2350	190		8.8	1.27
		F	562	2230	255		12.9	1.26
		F	554	2200	275		14.3	1.29
		M	670	4750	170		3.7	1.52
		M	670	4900	320		7.0	1.59
		M	666	4200	245		6.2	1.42
		M	656	4250	245		6.1	1.51
		M	650	3800	205		5.7	1.38
		M	642	3700	180		5.1	1.40
		M	626	3400	300		9.7	1.39
		M	612	3400	155		4.8	1.48
		M	590	2420	4		0.2	1.18
	121	F	670	4100	140		3.5	1.36
		F	656	4000	435		12.2	1.42
		F	650	4500	310		7.4	1.64
		F	640	3600	380		11.8	1.37
		F	634	3650	340		10.3	1.43
		F	632	3300	265		8.7	1.31
		F	628	3600	465		14.8	1.45
		F	620	3100	305		10.9	1.30
		F	616	3300	385		13.2	1.41
		F	616	3100	345		12.5	1.33
		F	600	2740	240		9.6	1.27
		F	592	2940	260		9.7	1.42
		F	564	2200	245		12.5	1.23
		F	550	2980	345		13.1	1.79
		M	694	5000	165		3.4	1.50
		M	680	4800	180		3.9	1.53
		M	668	4500	295		7.0	1.51
		M	662	4350	250		6.1	1.50
		M	654	4550	300		7.1	1.63
		M	654	4050	220		5.7	1.45
		M	652	4150	290		7.5	1.50
		M	650	4300	230		5.7	1.57
		M	640	3700	160		4.5	1.41
		M	636	3900	245		6.7	1.52
		M	632	3550	185		5.5	1.41
		M	612	3050	215		7.6	1.33
		M	606	3450	210		6.5	1.55
		M	598	3400	220		6.9	1.59
		M	580	2740	185		7.2	1.40
		M	594	2800	170		6.5	1.34
	121-C	F	630	3800	170		4.7	1.52
		F	630	3500	375		12.0	1.40
		M	658	4150	260		6.7	1.46
		M	640	3550	230		6.9	1.35
	115	F	650	3400	325		10.6	1.24
		F	642	3920	410		11.7	1.48
		F	640	3880	370		10.5	1.48
		F	630	3280	320		10.8	1.31
		F	630	3150	310		10.9	1.26
		F	626	3100	380		14.0	1.26
		F	616	3150	260		9.0	1.35
		F	615	2990	210		7.6	1.29
		F	608	3000	240		8.7	1.33
		F	606	3040	295		10.7	1.37
		F	604	3440	295		9.4	1.56
		F	604	3130	380		13.8	1.42

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	604	3040	250		9.0	1.38
		F	602	3020	320		11.9	1.38
		F	600	3020	360		13.5	1.40
		F	600	2700	295		12.3	1.25
		F	590	3000	255		9.3	1.46
		F	590	2900	200		7.4	1.41
		F	580	2600	205		8.6	1.33
		F	564	2460	160		7.0	1.37
		M	648	4250	360		9.3	1.56
		M	644	3950	250		6.8	1.48
		M	644	3650	250		7.4	1.37
		M	638	3200	90		2.9	1.23
		M	618	2950	170		6.1	1.25
		M	596	2800	170		6.5	1.32
	112	F	656	3700	360		10.8	1.31
		F	642	3850	310		8.8	1.45
		F	642	3550	355		11.1	1.34
		F	636	3400	220		6.9	1.32
		F	634	3950	385		10.8	1.55
		F	632	3500	440		14.4	1.39
		F	630	3250	340		11.7	1.30
		F	626	3500	335		10.6	1.43
		F	612	3450	390		12.7	1.51
		F	612	3300	355		12.1	1.44
		F	605	3100	225		7.8	1.40
		F	605	2900	250		9.4	1.31
		F	600	2600	345		15.3	1.20
		F	560	2300	100		4.5	1.31
		M	694	4900	355		7.8	1.47
		M	685	5200	330		6.8	1.62
		M	682	4600	275		6.4	1.45
		M	660	4300	260		6.4	1.50
		M	660	3750	235		6.7	1.30
		M	658	4500	250		5.9	1.58
		M	656	4000	255		6.8	1.42
		M	652	4650	255		5.8	1.68
		M	646	3900	275		7.6	1.45
		M	640	3550	210		6.3	1.35
		M	630	3050	31		1.0	1.22
		M	620	3050	130		4.5	1.28
		M	596	3050	185		6.5	1.44
		M	595	2930	210		7.7	1.39
		M	562	2760	155		6.0	1.55
	82-C	F	658	4650	455		10.8	1.63
		M	650	4150	210		5.3	1.51
	72-C	F	630	3550	365		11.5	1.42
		M	650	3750	230		6.5	1.37
		M	614	3500	190		5.7	1.51
G28	138-C	M	646	4100	285		7.5	1.52
		M	644	4050	285		7.6	1.52
		M	556	2620	110		4.4	1.52
	124	F	634	3550	350		10.9	1.39
		F	634	3550	350		10.9	1.39
		F	614	3250	300		10.2	1.40
		F	610	3250	350		12.1	1.43
		F	610	3250	245		8.2	1.43
		F	608	3500	460		15.1	1.56
		F	606	3150	370		13.3	1.42
		F	600	3100	220		7.6	1.44
		F	600	2820	220		8.5	1.31
		F	598	3150	245		8.4	1.47
		F	584	3200	340		11.9	1.61
		F	560	2840	185		7.0	1.62
		F	554	2360	190		8.8	1.39
		F	548	2420	205		9.3	1.47
		M	642	3300	190		6.1	1.25
		M	626	3100	135		4.6	1.26
		M	600	2920	200		7.4	1.35
		M	590	3050	155		5.4	1.49
		M	570	2580	125		5.1	1.39

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	121	F	666	3400	23		0.7	1.15
		F	650	4000	400		11.1	1.46
		F	642	3800	450		13.4	1.44
		F	642	3350	390		13.2	1.27
		F	620	2920	200		7.4	1.23
		F	614	3050	2		0.1	1.32
		F	610	3050	315		11.5	1.34
		F	596	2540	225		9.7	1.20
		F	580	2600	340		15.0	1.33
		F	580	2560	275		12.0	1.31
		F	578	2840	260		10.1	1.47
		F	560	2620	74		2.9	1.49
		M	688	4900	300		6.5	1.50
		M	680	4350	365		9.2	1.38
		M	674	4400	300		7.3	1.44
		M	656	3200	15		0.5	1.13
		M	596	2880	200		7.5	1.36
	115	F	646	3600	490		15.8	1.34
		F	632	3300	350		11.9	1.31
		F	608	3000	265		9.7	1.33
		F	604	3000	290		10.7	1.36
		F	596	2900	295		11.3	1.37
		F	560	2560	280		12.3	1.46
		M	682	4150	250		6.4	1.31
		M	626	4300	160		3.9	1.75
		M	622	3400	205		6.4	1.41
		M	612	2780	210		8.2	1.21
		M	604	3100	64		2.1	1.41
		M	600	3250	36		1.1	1.50
		M	576	2920	145		5.2	1.53
		M	540	2060	95		4.8	1.31
		M	532	2040	92		4.7	1.35
	112	F	666	3900	215		5.8	1.32
		F	664	3950	335		9.3	1.35
		F	628	3200	255		8.7	1.29
		F	620	3350	320		10.6	1.41
		F	612	3050	250		8.9	1.33
		F	600	3200	330		11.5	1.48
		F	598	3200	100		3.2	1.50
		F	596	3980	245		6.6	1.88
		F	564	2680	195		7.8	1.49
		F	564	2440	260		11.9	1.36
		F	540	2040	190		10.3	1.30
		F	538	2020	150		8.0	1.30
		M	630	3300	170		5.4	1.32
		M	618	3650	195		5.6	1.55
		M	576	2700	160		6.3	1.41
		M	506	1760	125		7.6	1.36
G29	157-C	F	642	3950	375		10.5	1.49
		M	572	2360	2		0.1	1.26
	124	F	656	3900	96		2.5	1.38
		F	644	3800	86		2.3	1.42
		F	630	3350	210		6.7	1.34
		F	620	3300	69		2.1	1.38
		F	614	2550	14		0.6	1.10
		F	600	2980	230		8.4	1.38
		F	576		13			
		F	570	2580	180		7.5	1.39
		F	554	2100	21		1.0	1.24
		F	540	2060	14		0.7	1.31
		F	538	1520	13		0.9	0.98
		F	536	1940	6		0.3	1.26
		F	530	1960	12		0.6	1.32
		F	506	1920	265		16.0	1.48
		F	500	1740	8		0.5	1.39
		F	496	1520	45		3.1	1.25
		F	492	1640	245		17.6	1.38
		F	482	1620	7		0.4	1.45
		F	482	1520	12		0.8	1.36
		F	474	1450	10		0.7	1.36
		F	450	2040	63		3.2	2.24
		M	682	4550	280		6.6	1.43
		M	596	2950	34		1.2	1.39
		M	596	2040	2		0.1	0.96
		M	592	2850	1		0.0	1.37
		M	570	2650	2		0.1	1.43
		M	530	1960	72		3.8	1.32
		M	526	1960	1		0.1	1.35
		M	510	1840	2		0.1	1.39
		M	496	2820	1		0.0	2.31
	121	F	684	5050	90		1.8	1.58
		F	604	2820	25		0.9	1.28
		F	595	4000	310		8.4	1.90
		F	574	2600	53		2.1	1.37
		F	568	2340	60		2.6	1.28
		F	545	2500	15		0.6	1.54
		F	543	2220	18		0.8	1.39
		F	542	2260	18		0.8	1.42
		F	522	2000	14		0.7	1.41
		F	508	1900	12		0.6	1.45
		F	497	1540	13		0.9	1.25
		F	486	1560	10		0.6	1.36
		F	480	1460	15		1.0	1.32
		F	458	1420	10		0.7	1.48
		M	592	2940	165		5.9	1.42
		M	530	1740	22		1.3	1.17
		M	529	1820	2		0.1	1.23
		M	516	1480	92		6.6	1.08
		M	507	1600	1		0.1	1.23
		M	480	1540	2		0.1	1.39
	115	F	632	3300	295		9.8	1.31
		F	628	3300	325		10.9	1.33
		F	624	3150	215		7.3	1.30
		F	620	3250	290		9.8	1.36
		F	615	3300	285		9.5	1.42
		F	600	3000	240		8.7	1.39
		F	546	2280	205		9.9	1.40
		F	537	2040	15		0.7	1.32
		F	503	1700	10		0.6	1.34
		F	500	1600	12		0.8	1.28
		F	460	1220	13		1.1	1.25
		M	658	3400	220		6.9	1.19
		M	572	2260	51		2.3	1.21
		M	556	2240	2		0.1	1.30
		M	528	1780	2		0.1	1.21
		M	518	1800	40		2.3	1.30
		M	513	1760	63		3.7	1.30
		M	503	1640	2		0.1	1.29
		M	496	1540	2		0.1	1.26
		M	494	1440	3		0.2	1.19
		M	492	1700	3		0.2	1.43
	112	F	524	2000	13		0.7	1.39
		F	518	1820	16		0.9	1.31
		F	516	1940	21		1.1	1.41
		F	508	1740	17		1.0	1.33
		M	736	5350	330		6.6	1.34
		M	665	4600	240		5.5	1.56
		M	660	4050	160		4.1	1.41
		M	564	2440	170		7.5	1.36
		M	550	2100	2		0.1	1.26
		M	528	2100	2		0.1	1.43
		M	510	1720	3		0.2	1.30
		M	492	1400	2		0.1	1.18
	106-C	F	504	1640	10		0.6	1.28
		M	650	3700	220		6.3	1.35
	93-C	M	630	3900	200		5.4	1.56
		M	570	2620	5		0.2	1.41
		M	534	2080	135		6.9	1.37
		M	532	1840	3		0.2	1.22
	72-C	M	396	760	1		0.1	1.22

CHUM SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	48-C	F	496	1520	33		2.2	1.25
G30	157-C	M	590	2800	145		5.5	1.36
	124	F	636	3200	325		11.3	1.24
		F	618	2780	610		28.1	1.18
		F	558	2400	175		7.9	1.38
		M	596	2380	96		4.2	1.12
	121	F	646	3650	475		15.0	1.35
		F	620	3050	295		10.7	1.28
		F	612	2960	340		13.0	1.29
		F	604	3150	295		10.3	1.43
		F	602	3040	315		11.6	1.39
		F	600	3200	295		10.2	1.48
		F	592	3050	260		9.3	1.47
		F	582	2840	245		9.4	1.44
		M	700	4700	265		6.0	1.37
		M	620	3100	195		6.7	1.30
		M	598	2560	125		5.1	1.20
		M	570	2460	185		8.1	1.33
		M	556	2620	130		5.2	1.52
		M	520	2020	145		7.7	1.44
	115	F	650	3500	350		11.1	1.27
		F	618	3250	395		13.8	1.38
		F	616	3350	245		7.9	1.43
		F	610	3350	295		9.7	1.48
		F	564	2460	265		12.1	1.37
		M	566	2720	150		5.8	1.50
		M	564	2440	155		6.8	1.36
		M	550	2260	145		6.9	1.36
	112	F	624	3300	390		13.4	1.36
		F	622	3500	285		8.9	1.45
		F	610	2920	285		11.2	1.24
		F	598	2840	320		12.7	1.33
		F	574	2200	235		12.0	1.16
		F	552	2360	215		10.0	1.40
		F	540	2140	155		7.8	1.36
		M	654	3350	45		1.4	1.20
		M	616	3400	220		6.9	1.45
		M	596	2640	52		2.0	1.25
		M	574	2840	195		7.4	1.50
	82-C	M	672	4000	225		6.0	1.32
G31	157-C	F	630	3450	185		5.7	1.38
	138-C	M	646	4450	320		7.7	1.65
		M	574	2350	75		3.3	1.24
	124	F	630	3900	120		3.2	1.56
		F	618	3350	230		7.4	1.42
		F	574	2860	290		11.3	1.51
		F	526	2320	135		6.2	1.59
		M	650	4050	250		6.6	1.47
		M	614	3300	235		7.7	1.43
		M	590	2640	20		0.8	1.29
		M	588	2600	52		2.0	1.28
		M	562	2740	150		5.8	1.54
		M	554	2380	160		7.2	1.40
		M	554	2140	80		3.9	1.26
		M	540	2080	71		3.5	1.32
		M	534	2520	96		4.0	1.65
		M	510	1780	94		5.6	1.34
	121	F	598	2920	250		9.4	1.37
		F	596	3050	260		9.3	1.44
		F	588	2840	115		4.2	1.40
		F	576	2840	185		7.0	1.49
		F	562	2920	105		3.7	1.65
		M	626	3800	190		5.3	1.55
		M	614	2800	150		5.7	1.21
		M	612	3250	160		5.2	1.42
		M	596	3700	250		7.2	1.75
		M	560	2420	180		8.0	1.38
		M	550	2460	135		5.8	1.48
		M	546	2420	190		8.5	1.49
		M	528	2160	125		6.1	1.47
		M	486	1360	12		0.9	1.18
		M	480	1540	1		0.1	1.39
	121-C	M	568	2480	1		0.0	1.35
	115	F	634	3300	78		2.4	1.29
		F	622	3400	260		8.3	1.41
		F	610	2900	220		8.2	1.28
		F	586	2700	85		3.3	1.34
		F	570	2740	145		5.6	1.48
		F	542	2060	116		6.0	1.29
		F	692	4500	285		6.8	1.36
	112	F	504	1700	93		5.8	1.33
		F	596	2800	100		3.7	1.32
		F	562	2320	180		8.4	1.31
	106-C	M	520	1540	30		2.0	1.10
G32	157-C	F	618	3600	260		7.8	1.53
	138-C	F	656	4150	320		8.4	1.47
		F	620	3550	175		5.2	1.49
		F	590	2750	240		9.6	1.34
	124	F	584	2960	210		7.6	1.49
		F	556	2360	35		1.5	1.37
		F	554	2000	260		14.9	1.18
		F	493	1540	10		0.7	1.29
		M	590	2760	200		7.8	1.34
		M	564	2520	165		7.0	1.40
		M	535	1860	3		0.2	1.21
		M	498	1480	2		0.1	1.20
	121	F	642	3100	210		7.3	1.17
		F	612	3100	385		14.2	1.35
		F	590	2900	250		9.4	1.41
		F	500	1840	12		0.7	1.47
		M	620	3100	2		0.1	1.30
		M	607	3600	210		6.2	1.61
		M	542	2220	150		7.2	1.39
		M	524	2120	120		6.0	1.47
		M	520	1840	1		0.1	1.31
		M	513	2060	125		6.5	1.53
	115	F	630	3250	255		8.5	1.30
		F	608	3200	285		9.8	1.42
		F	582	2620	135		5.4	1.33
		F	580	2880	215		8.1	1.48
		F	570	2640	110		4.3	1.43
		F	570	2400	140		6.2	1.30
		F	546	2180	200		10.1	1.34
		M	652	3850	245		6.8	1.39
		M	590	3150	120		4.0	1.53
		M	580	2540	175		7.4	1.30
	112	F	586	2720	290		11.9	1.35
		M	547	2420	140		6.1	1.48
		M	542	2100	2		0.1	1.32
		M	538	2240	140		6.7	1.44

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G01	138-C	F	432	980	23		2.4	1.22
	121	F	450	1320	30		2.3	1.45
		F	440	1040	38		3.8	1.22
		F	436	1180	12		1.0	1.42
		F	436	1120	30		2.8	1.35
		F	432	980	18		1.9	1.22
		M	508	1780	8		0.5	1.36
		M	488	1420	13		0.9	1.22
		M	486	1420	21		1.5	1.24
		M	482	1260	10		0.8	1.13
		M	480	1320	21		1.6	1.19
		M	480	1280	12		0.9	1.16
		M	476	1460	40		2.8	1.35
		M	466	1320	20		1.5	1.30
		M	464	1380	25		1.8	1.38
		M	464	1320	15		1.1	1.32
		M	460	1360	11		0.8	1.40
		M	460	1240	12		1.0	1.27
		M	458	1080	12		1.1	1.12
		M	456	1220	27		2.3	1.29
		M	454	1200	6		0.5	1.28
		M	450	1320	14		1.1	1.45
		M	448	1220	9		0.7	1.36
		M	446	1120	7		0.6	1.26
		M	444	1140	25		2.2	1.30
		M	442	1120	16		1.4	1.30
		M	440	1120	20		1.8	1.31
		M	432	1040	12		1.2	1.29
		M	430	1140	8		0.7	1.43
		M	428	1040	15		1.5	1.33
		M	414	860	12		1.4	1.21
	115	F	466	1320	50		3.9	1.30
		F	458	1060	12		1.1	1.10
		F	454	1140	38		3.4	1.22
		F	454	1080	25		2.4	1.15
		F	452	1120	17		1.5	1.21
		F	452	1080	32		3.1	1.17
		F	440	1020	18		1.8	1.20
		F	438	1120	42		3.9	1.33
		F	436	1120	38		3.5	1.35
		F	410	1020	22		2.2	1.48
		F	404	880	45		5.4	1.33
		M	500	1480	6		0.4	1.18
		M	476	1280	16		1.3	1.19
		M	470	1240	14		1.1	1.19
		M	468	1140	12		1.1	1.11
		M	464	1440	12		0.8	1.44
		M	464	1340	10		0.8	1.34
		M	462	1180	10		0.9	1.20
		M	460	1220	6		0.5	1.25
		M	454	1080	8		0.7	1.15
		M	452	1220	23		1.9	1.32
		M	450	1180	22		1.9	1.29
		M	450	1120	4		0.4	1.23
		M	450	1040	20		2.0	1.14
		M	442	1140	17		1.5	1.32
		M	440	1120	10		0.9	1.31
		M	440	1120	8		0.7	1.31
		M	432	1020	27		2.7	1.27
		M	412	980	20		2.1	1.40
	112	F	476	1320	34		2.6	1.22
		F	462	1220	28		2.3	1.24
		F	454	1120	17		1.5	1.20
		F	436	1020	12		1.2	1.23
		F	432	1120	47		4.4	1.39
		F	432	1060	37		3.6	1.31
		F	432	1000	20		2.0	1.24
		F	432	980	20		2.1	1.22
		F	430	980	12		1.2	1.23
		F	422	960	38		4.1	1.28
		F	420	920	29		3.3	1.24
		F	414	860	26		3.1	1.21
		F	406	880	20		2.3	1.31
		M	466	1220	15		1.2	1.21
		M	460	1320	16		1.2	1.36
		M	458	1220	11		0.9	1.27
		M	458	1080	14		1.3	1.12
		M	456	1020	7		0.7	1.08
		M	450	1120	12		1.1	1.23
		M	450	980	7		0.7	1.08
		M	446	1100	15		1.4	1.24
		M	442	1020	7		0.7	1.18
		M	440	1100	12		1.1	1.29
		M	430	980	12		1.2	1.23
		M	426	960	12		1.3	1.24
		M	420	980	10		1.0	1.32
		M	420	960	18		1.9	1.30
		M	418	960	16		1.7	1.31
		M	416	920	10		1.1	1.28
		M	408	860	14		1.7	1.27
	109	F	450	1220	13		1.1	1.34
		F	450	1060	35		3.4	1.16
		F	448	1020	32		3.2	1.13
		F	440	980	11		1.1	1.15
		F	436	1040	35		3.5	1.25
		F	434	980	18		1.9	1.20
		F	432	1040	36		3.6	1.29
		F	430	960	32		3.4	1.21
		F	424	920	30		3.4	1.21
		F	422	980	35		3.7	1.30
		F	420	980	50		5.4	1.32
		F	418	960	32		3.4	1.31
		F	416	960	40		4.3	1.33
		F	408	820	32		4.1	1.21
		M	476	1220	5		0.4	1.13
		M	448	1020	10		1.0	1.13
		M	446	1160	22		1.9	1.31
		M	442	1060	16		1.5	1.23
		M	440	920	16		1.8	1.08
		M	434	1060	11		1.0	1.30
		M	432	980	4		0.4	1.22
		M	432	920	8		0.9	1.14
		M	426	960	14		1.5	1.24
		M	426	940	10		1.1	1.22
		M	422	1160	25		2.2	1.54
		M	422	1060	22		2.1	1.41
		M	420	920	6		0.7	1.24
		M	416	880	12		1.4	1.22
		M	400	860	12		1.4	1.34
		M	388	840	12		1.4	1.44
	106-C	F	480	1340	17		1.3	1.21
		F	454	1060	12		1.1	1.13
		F	450	1020	35		3.6	1.12
		F	442	920	45		5.1	1.07
		F	440	1020	35		3.6	1.20
		F	438	960	30		3.2	1.14
		F	436	1110	32		3.0	1.34
		F	436	920	40		4.5	1.11
		F	432	1040	22		2.2	1.29
		F	430	1020	35		3.6	1.28
		F	424	960	22		2.3	1.26
		F	412	880	35		4.1	1.26
		M	464	1320	20		1.5	1.32
		M	454	1220	41		3.5	1.30
		M	452	960	8		0.8	1.04
		M	448	980	12		1.2	1.09
		M	442	980	5		0.5	1.13
		M	440	980	4		0.4	1.15
		M	430	1160	21		1.8	1.46
		M	430	1020	6		0.6	1.28

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	430	980	10		1.0	1.23
		M	428	920	12		1.3	1.17
		M	426	1040	12		1.2	1.35
		M	418	960	14		1.5	1.31
		M	418	940	12		1.3	1.29
		M	418	840	14		1.7	1.15
		M	416	820	11		1.4	1.14
		M	400	780	10		1.3	1.22
		M	382	680	18		2.7	1.22
		M	364	660	22		3.4	1.37
	93-C	F	446	920	25		2.8	1.04
		F	430	860	20		2.4	1.08
		F	422	920	20		2.2	1.22
		F	422	820	32		4.1	1.09
		F	420	820	21		2.6	1.11
		F	418	760	25		3.4	1.04
		F	413	800	20		2.6	1.14
		F	412	860	20		2.4	1.23
		F	410	780	18		2.4	1.13
		F	400	820	42		5.4	1.28
		F	385	640	16		2.6	1.12
		F	378	640	30		4.9	1.18
		M	464	1280	14		1.1	1.28
		M	458	1100	6		0.5	1.14
		M	430	960	7		0.7	1.21
		M	426	920	16		1.8	1.19
		M	424	920	6		0.7	1.21
		M	422	880	10		1.1	1.17
		M	420	960	12		1.3	1.30
		M	420	860	8		0.9	1.16
		M	418	800	8		1.0	1.10
		M	410	780	8		1.0	1.13
		M	408	840	14		1.7	1.24
		M	385	660	15		2.3	1.16
		M	380	720	6		0.8	1.31
		M	380	640	10		1.6	1.17
		M	372	660	4		0.6	1.28
		M	370	620	6		1.0	1.22
		M	365	620	15		2.5	1.28
		M	352	560	12		2.2	1.28
	82-C	F	444	960	45		4.9	1.10
		F	442	942	26		2.8	1.09
		F	440	920	35		4.0	1.08
		F	432	1020	45		4.6	1.27
		F	432	920	22		2.4	1.14
		F	430	860	37		4.5	1.08
		F	426	920	17		1.9	1.19
		F	424	860	35		4.2	1.13
		F	418	846	17		2.1	1.16
		F	416	920	34		3.8	1.28
		F	416	720	28		4.0	1.00
		F	412	760	10		1.3	1.09
		F	408	880	40		4.8	1.30
		F	408	820	28		3.5	1.21
		F	392	580	40		7.4	0.96
		F	382	680	45		7.1	1.22
		M	446	920	15		1.7	1.04
		M	442	1020	12		1.2	1.18
		M	416	880	30		3.5	1.22
		M	414	880	5		0.6	1.24
		M	408	840	4		0.5	1.24
		M	400	760	9		1.2	1.19
		M	392	680	8		1.2	1.13
		M	390	720	14		2.0	1.21
		M	376	620	6		1.0	1.17
		M	360	540	14		2.7	1.16
		M	350	520	4		0.8	1.21
		M	348	520	6		1.2	1.23
		M	342	520	12		2.4	1.30
		M	340	480	6		1.3	1.22
		F	450	1080	31		3.0	1.19
		F	440	840	30		3.7	0.99
		F	416	880	53		6.4	1.22
		F	414	880	43		5.1	1.24
		F	414	620	13		2.1	0.87
		F	412	820	23		2.9	1.17
		F	398	780	36		4.8	1.24
		F	398	740	25		3.5	1.17
		F	394	720	36		5.3	1.18
		F	394	660	17		2.6	1.08
		F	352	480	28		6.2	1.10
		M	422	860	12		1.4	1.14
		M	400	720	12		1.7	1.12
		M	398	840	35		4.3	1.33
		M	390	560	10		1.8	0.94
		M	380	580	11		1.9	1.06
		M	368	620	23		3.9	1.24
		M	362	540	14		2.7	1.14
	63-C	F	432	980	34		3.6	1.22
		M	460	1320	15		1.1	1.36
		M	400	780	4		0.5	1.22
	55-C	F	424	920	17		1.9	1.21
G02	121	F	456	1200	30		2.6	1.27
		F	456	1180	30		2.6	1.24
		F	456	1160	34		3.0	1.22
		F	454	1280	30		2.4	1.37
		F	454	1220	20		1.7	1.30
		F	452	1180	44		3.9	1.28
		F	452	1140	23		2.1	1.23
		F	440	1100	43		4.1	1.29
		F	436	920	38		4.3	1.11
		M	510	1520	13		0.9	1.15
		M	494	1600	25		1.6	1.33
		M	490	1460	10		0.7	1.24
		M	480	1280	12		0.9	1.16
		M	478	1460	28		2.0	1.34
		M	474	1280	15		1.2	1.20
		M	470	1440	25		1.8	1.39
		M	470	1240	11		0.9	1.19
		M	466	1240	12		1.0	1.23
		M	460	1200	8		0.7	1.23
		M	460	1180	20		1.7	1.21
		M	460	1180	6		0.5	1.21
		M	460	1160	15		1.3	1.19
		M	458	1100	18		1.7	1.14
		M	454	1340	30		2.3	1.43
		M	450	1140	15		1.3	1.25
		M	450	1100	25		2.3	1.21
		M	450	1040	14		1.4	1.14
		M	448	1140	10		0.9	1.27
		M	440	1060	20		1.9	1.24
		M	436	960	10		1.1	1.16
	121-C	F	462	1240	43		3.6	1.26
		F	460	1240	48		4.0	1.27
		F	460	1200	65		5.7	1.23
		F	436	860	16		1.9	1.04
		M	490	1460	18		1.2	1.24
		M	480	1240	15		1.2	1.12
		M	468	1320	20		1.5	1.29
		M	460	1240	7		0.6	1.27
		M	452	1200	18		1.5	1.30
		M	450	1240	12		1.0	1.36
		M	446	1180	11		0.9	1.33
		M	438	1080	9		0.8	1.29
		M	436	1000	14		1.4	1.21
	115	F	472	1140	30		2.7	1.08
		F	464	1280	30		2.4	1.28
		F	450	1220	53		4.5	1.34
		F	450	1020	25		2.5	1.12
		F	449	1040	17		1.7	1.15

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	447	1120	36		3.3	1.25
		F	445	1260	34		2.8	1.43
		F	443	1140	25		2.2	1.31
		F	438	1120	66		6.3	1.33
		F	437	920	27		3.0	1.10
		F	435	1020	32		3.2	1.24
		F	432	1020	32		3.2	1.27
		F	430	1020	34		3.4	1.28
		F	430	960	13		1.4	1.21
		M	500	1480	20		1.4	1.18
		M	480	1380	20		1.5	1.25
		M	475	1320	24		1.9	1.23
		M	473	1120	10		0.9	1.06
		M	470	1220	20		1.7	1.18
		M	470	1140	16		1.4	1.10
		M	450	1120	17		1.5	1.23
		M	450	1120	5		0.4	1.23
		M	450	1060	16		1.5	1.16
		M	445	1140	13		1.2	1.29
		M	445	1080	10		0.9	1.23
		M	438	1040	11		1.1	1.24
		M	432	1020	10		1.0	1.27
		M	430	1060	13		1.2	1.33
		M	422	1040	15		1.5	1.38
		M	413	920	5		0.5	1.31
	112	F	456	1140	40		3.6	1.20
		F	452	1200	50		4.3	1.30
		F	450	1180	38		3.3	1.29
		F	450	1160	40		3.6	1.27
		F	442	1040	44		4.4	1.20
		F	442	1000	20		2.0	1.16
		F	440	1040	15		1.5	1.22
		F	438	1040	45		4.5	1.24
		F	430	1040	15		1.5	1.31
		F	430	1020	18		1.8	1.28
		F	424	1020	35		3.6	1.34
		F	424	980	50		5.4	1.29
		F	416	900	16		1.8	1.25
		F	410	960	30		3.2	1.39
		M	496	1200	8		0.7	0.98
		M	464	1280	12		0.9	1.28
		M	460	1100	4		0.4	1.13
		M	456	1260	15		1.2	1.33
		M	456	1180	8		0.7	1.24
		M	456	1140	10		0.9	1.20
		M	454	1160	15		1.3	1.24
		M	446	1060	4		0.4	1.19
		M	446	1020	8		0.8	1.15
		M	440	1020	12		1.2	1.20
		M	440	960	4		0.4	1.13
		M	438	1020	8		0.8	1.21
		M	436	900	6		0.7	1.09
		M	426	940	12		1.3	1.22
		M	426	940	7		0.8	1.22
		M	414	880	6		0.7	1.24
	109	F	466	1340	35		2.7	1.32
		F	460	1140	42		3.8	1.17
		F	452	1000	30		3.1	1.08
		F	450	1000	8		0.8	1.10
		F	448	1080	77		7.7	1.20
		F	446	1040	20		2.0	1.17
		F	446	940	27		3.0	1.06
		F	444	1180	19		1.6	1.35
		F	444	1080	22		2.1	1.23
		F	440	1080	38		3.6	1.27
		F	440	960	19		2.0	1.13
		F	436	1080	34		3.3	1.30
		F	432	1120	37		3.4	1.39
		F	416	900	25		2.9	1.25
		M	490	1320	19		1.5	1.12
		M	474	1340	4		0.3	1.26
		M	474	1260	22		1.8	1.18
		M	458	1060	12		1.1	1.10
		M	454	1140	32		2.9	1.22
		M	438	1100	12		1.1	1.31
		M	436	1060	5		0.5	1.28
		M	436	1040	5		0.5	1.25
		M	434	1080	10		0.9	1.32
		M	430	1000	12		1.2	1.26
		M	430	920	14		1.5	1.16
		M	430	920	4		0.4	1.16
		M	424	1100	14		1.3	1.44
		M	420	960	8		0.8	1.30
		M	420	880	6		0.7	1.19
		M	400	800	7		0.9	1.25
	106-C	F	520	1700	26		1.6	1.21
		F	470	1200	20		1.7	1.16
		F	464	1260	42		3.4	1.26
		F	462	1120	27		2.5	1.14
		F	460	960	15		1.6	0.99
		F	442	1020	11		1.1	1.18
		F	440	1000	46		4.8	1.17
		F	436	1060	35		3.4	1.28
		F	434	1080	43		4.1	1.32
		F	432	940	40		4.4	1.17
		F	430	1020	48		4.9	1.28
		F	426	960	22		2.3	1.24
		F	424	900	28		3.2	1.18
		F	414	840	25		3.1	1.18
		M	472	1320	13		1.0	1.26
		M	464	1040	14		1.4	1.04
		M	462	1160	20		1.8	1.18
		M	452	1040	10		1.0	1.13
		M	444	900	15		1.7	1.03
		M	436	920	12		1.3	1.11
		M	430	1140	38		3.4	1.43
		M	430	980	5		0.5	1.23
		M	430	960	45		4.9	1.21
		M	430	860	10		1.2	1.08
		M	424	960	19		2.0	1.26
		M	420	900	6		0.7	1.21
		M	420	840	15		1.8	1.13
		M	420	820	10		1.2	1.11
		M	414	880	10		1.1	1.24
		M	396	680	15		2.3	1.10
		F	458					
		F	456					
		F	452					
		F	450					
		F	450					
		F	446					
		F	442					
		F	440					
		F	430					
		F	430					
		F	428					
		F	426					
		F	426					
		F	404					
		F	380					
		F	370					
		M	464					
		M	454					
		M	438					
		M	436					
		M	436					
		M	422					
		M	410					
	93-C	F	450	1100	45		4.3	1.21

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	430	920	17		1.9	1.16
		F	430	860	15		1.8	1.08
		F	430	820	18		2.2	1.03
		F	426	860	20		2.4	1.11
		F	424	980	20		2.1	1.29
		F	424	900	40		4.7	1.18
		F	424	740	31		4.4	0.97
		F	416	860	45		5.5	1.19
		F	416	840	16		1.9	1.17
		F	410	840	46		5.8	1.22
		F	410	780	35		4.7	1.13
		F	400	640	20		3.2	1.00
		M	480	1400	15		1.1	1.27
		M	474	1300	12		0.9	1.22
		M	450	1120	4		0.4	1.23
		M	444	1120	17		1.5	1.28
		M	432	880	6		0.7	1.09
		M	424	860	5		0.6	1.13
		M	422	940	10		1.1	1.25
		M	420	880	6		0.7	1.19
		M	420	800	8		1.0	1.08
		M	420	780	6		0.8	1.05
		M	416	900	10		1.1	1.25
		M	414	760	4		0.5	1.07
		M	412	860	17		2.0	1.23
		M	406	760	5		0.7	1.14
		M	400	760	15		2.0	1.19
		M	400	720	5		0.7	1.12
		M	390	660	19		3.0	1.11
		F	450					
		F	448					
		F	444					
		F	442					
		F	442					
		F	440					
		F	436					
		F	432					
		F	430					
		F	420					
		F	420					
		F	420					
		F	418					
		F	414					
		F	410					
		F	410					
		F	408					
		F	408					
		F	404					
		M	450					
		M	440					
		M	432					
		M	432					
		M	430					
		M	430					
		M	430					
		M	428					
		M	428					
		M	428					
		M	426					
		M	420					
		M	420					
		M	420					
		M	408					
		M	396					
		M	390					
		M	390					
	82-C	F	444	1080	37		3.5	1.23
		F	444	1040	12		1.2	1.19
		F	442	1040	32		3.2	1.20
		F	442	880	15		1.7	1.02

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	440	1040	36		3.6	1.22
		F	438	920	20		2.2	1.09
		F	430	880	26		3.0	1.11
		F	424	820	37		4.7	1.08
		F	422	940	32		3.5	1.25
		F	418	920	25		2.8	1.26
		F	418	860	10		1.2	1.18
		F	416	820	13		1.6	1.14
		F	400	780	10		1.3	1.22
		F	396	740	38		5.4	1.19
		M	438	880	5		0.6	1.05
		M	436	980	5		0.5	1.18
		M	432	860	5		0.6	1.07
		M	424	940	7		0.8	1.23
		M	412	820	8		1.0	1.17
		M	410	840	11		1.3	1.22
		M	410	820	5		0.6	1.19
		M	404	780	5		0.6	1.18
		M	404	680	7		1.0	1.03
		M	398	620	3		0.5	0.98
		M	396	660	8		1.2	1.06
		M	388	720	5		0.7	1.23
		M	388	680	3		0.4	1.16
		M	388	640	5		0.8	1.10
		M	386	720	6		0.8	1.25
		M	372	660	5		0.8	1.28
		F	424					
		F	422					
		F	420					
		F	412					
		F	408					
		F	402					
		F	402					
		F	396					
		F	384					
		F	354					
		M	474					
		M	430					
		M	429					
		M	412					
		M	402					
	72-C	F	447	940	28		3.1	1.05
		F	442	1040	22		2.2	1.20
		F	438	1080	68		6.7	1.29
		F	438	1040	37		3.7	1.24
		F	434	880	38		4.5	1.08
		F	430	920	30		3.4	1.16
		F	430	880	24		2.8	1.11
		F	428	920	24		2.7	1.17
		F	424	920	16		1.8	1.21
		F	418	920	33		3.7	1.26
		F	414	820	20		2.5	1.16
		F	404	780	22		2.9	1.18
		F	402	740	14		1.9	1.14
		M	426	720	2		0.3	0.93
		M	410	740	14		1.9	1.07
		M	400	780	32		4.3	1.22
		M	397	680	3		0.4	1.09
		M	352	540	3		0.6	1.24
		M	336	480	7		1.5	1.27
	63-C	F	406	800	32		4.2	1.20
		M	432	880	19		2.2	1.09
	G03 121	F	480	1260	16		1.3	1.14
		F	477	1340	56		4.4	1.23
		F	476	1240	24		2.0	1.15
		F	467	1240	44		3.7	1.22
		F	464	1280	50		4.1	1.28
		F	464	1240	23		1.9	1.24
		F	460	1320	55		4.3	1.36
		F	460	1180	15		1.3	1.21

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	437	1020	17		1.7	1.22
		M	484	1320	30		2.3	1.16
		M	482	1440	11		0.8	1.29
		M	475	1220	10		0.8	1.14
		M	474	1280	10		0.8	1.20
		M	474	1220	9		0.7	1.15
		M	470	1320	8		0.6	1.27
		M	465	1180	5		0.4	1.17
		M	464	1140	12		1.1	1.14
		M	462	1180	6		0.5	1.20
		M	462	1160	5		0.4	1.18
		M	460	1320	20		1.5	1.36
		M	460	1180	8		0.7	1.21
		M	458	1120	6		0.5	1.17
		M	456	1280	10		0.8	1.35
		M	455	1240	18		1.5	1.32
		M	455	1140	7		0.6	1.21
		M	453	1040	16		1.6	1.12
		M	450	1160	8		0.7	1.27
		M	440	980	10		1.0	1.15
		M	437	980	8		0.8	1.17
		M	434	960	16		1.7	1.17
		F	450	1020	62		6.5	1.12
		M	465	1200	15		1.3	1.19
		M	450	1160	31		2.7	1.27
		M	445	1160	11		1.0	1.32
	115	F	470	1180	48		4.2	1.14
		F	460	1180	20		1.7	1.21
		F	460	1100	20		1.9	1.13
		F	460	1000	44		4.6	1.03
		F	455	1140	16		1.4	1.21
		F	455	1010	43		4.4	1.07
		F	452	1120	60		5.7	1.21
		F	450	1040	37		3.7	1.14
		F	440	1120	53		5.0	1.31
		F	440	1020	40		4.1	1.20
		F	440	1000	28		2.9	1.17
		F	440	980	23		2.4	1.15
		F	433	940	15		1.6	1.16
		F	420	980	15		1.6	1.32
		F	415	1040	23		2.3	1.46
		F	410	960	32		3.4	1.39
		M	485	1140	6		0.5	1.00
		M	480	1160	5		0.4	1.05
		M	470	1140	8		0.7	1.10
		M	465	1040	7		0.7	1.03
		M	465	1040	4		0.4	1.03
		M	460	1060	11		1.0	1.09
		M	455	1040	12		1.2	1.10
		M	450	1140	22		2.0	1.25
		M	440	1080	8		0.7	1.27
		M	440	1060	8		0.8	1.24
		M	440	1020	10		1.0	1.20
		M	440	980	10		1.0	1.15
		M	437	940	8		0.9	1.13
		M	420	880	6		0.7	1.19
	112	F	472	1160	10		0.9	1.10
		F	470	1160	13		1.1	1.12
		F	460	1040	15		1.5	1.07
		F	448	1080	14		1.3	1.20
		F	448	1040	18		1.8	1.16
		F	446	1100	16		1.5	1.24
		F	444	980	25		2.6	1.12
		F	442	1040	21		2.1	1.20
		F	437	1120	65		6.2	1.34
		F	437	1040	24		2.4	1.25
		F	435	1080	28		2.7	1.31
		F	425	1180	67		6.0	1.54
		M	467	1060	12		1.1	1.04
		M	464	1160	8		0.7	1.16

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	464	1140	8		0.7	1.14
		M	462	1120	3		0.3	1.14
		M	460	1220	10		0.8	1.25
		M	458	1180	8		0.7	1.23
		M	456	1160	6		0.5	1.22
		M	454	1080	13		1.2	1.15
		M	446	1040	10		1.0	1.17
		M	445	1080	6		0.6	1.23
		M	444	1020	17		1.7	1.17
		M	440	1140	15		1.3	1.34
		M	438	1080	12		1.1	1.29
		M	438	980	10		1.0	1.17
		M	438	980	6		0.6	1.17
		M	436	980	13		1.3	1.18
		M	432	1040	12		1.2	1.29
		M	423	940	20		2.2	1.24
	109	F	493	1340	25		1.9	1.12
		F	472	1160	10		0.9	1.10
		F	470	1060	14		1.3	1.02
		F	465	1180	31		2.7	1.17
		F	463	1140	44		4.0	1.15
		F	445	1060	55		5.5	1.20
		F	445	960	25		2.7	1.09
		F	445	960	23		2.5	1.09
		F	442	1060	50		5.0	1.23
		F	442	1040	66		6.8	1.20
		F	442	940	32		3.5	1.09
		F	440	1000	20		2.0	1.17
		F	440	920	50		5.7	1.08
		F	430	940	40		4.4	1.18
		F	430	940	22		2.4	1.18
		F	425	900	52		6.1	1.17
		F	420	1020	38		3.9	1.38
		M	495	1500	4		0.3	1.24
		M	473	1080	5		0.5	1.02
		M	455	960	4		0.4	1.02
		M	452	1040	5		0.5	1.13
		M	447	1040	7		0.7	1.16
		M	445	1080	6		0.6	1.23
		M	445	1000	5		0.5	1.13
		M	430	960	42		4.6	1.21
		M	430	940	6		0.6	1.18
		M	422	800	7		0.9	1.06
		M	415	820	28		3.5	1.15
		M	412	760	13		1.7	1.09
		M	378	800	6		0.8	1.48
	106-C	F	450	1100	45		4.3	1.21
		F	450	1020	22		2.2	1.12
		F	450	920	30		3.4	1.01
		F	450	900	40		4.7	0.99
		F	450	900	25		2.9	0.99
		F	445	900	28		3.2	1.02
		F	445	800	14		1.8	0.91
		F	435	1000	55		5.8	1.21
		F	435	940	27		3.0	1.14
		F	435	900	42		4.9	1.09
		F	430	940	52		5.9	1.18
		F	430	900	39		4.5	1.13
		F	420	880	33		3.9	1.19
		F	410	820	20		2.5	1.19
		M	500	1340	9		0.7	1.07
		M	480	920	12		1.3	0.83
		M	475	1060	35		3.4	0.99
		M	475	1000	25		2.6	0.93
		M	460	1080	50		4.9	1.11
		M	460	1080	12		1.1	1.11
		M	455	1380	12		0.9	1.47
		M	455	1120	5		0.4	1.19
		M	450	1160	15		1.3	1.27
		M	450	1020	6		0.6	1.12

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	450	980	7		0.7	1.08			M	440	900	10		1.1	1.06
		M	445	1140	6		0.5	1.29		72-C	F	420	920	36		4.1	1.24
		M	445	1000	12		1.2	1.13			M	370	460	5		1.1	0.91
		M	440	920	10		1.1	1.08		55-C	M	425	720	7		1.0	0.94
		M	440	900	4		0.4	1.06			M	350	380	4		1.1	0.89
		M	430	940	15		1.6	1.18	G04	138-C	F	436	1020	50		5.2	1.23
		F	460								M	402	760	32		4.4	1.17
		F	453							121	F	460	1180	69		6.2	1.21
		F	450								F	460	1160	60		5.5	1.19
		F	447								F	444	1040	50		5.1	1.19
		F	440								F	442	1020	40		4.1	1.18
		F	438								F	424	980	65		7.1	1.29
		F	420								M	480	1380	16		1.2	1.25
		M	460								M	472	1220	12		1.0	1.16
		M	450								M	462	1260	15		1.2	1.28
		M	450								M	462	1240	10		0.8	1.26
		M	440								M	460	1260	26		2.1	1.29
		M	430								M	460	1220	13		1.1	1.25
	93-C	F	462	1020	30		3.0	1.03			M	460	1180	20		1.7	1.21
		F	458	1120	17		1.5	1.17			M	460	1180	18		1.5	1.21
		F	454	1060	56		5.6	1.13			M	458	1160	18		1.6	1.21
		F	454	980	48		5.2	1.05			M	458	1120	28		2.6	1.17
		F	453	1120	45		4.2	1.20			M	454	920	8		0.9	0.98
		F	450	1120	38		3.5	1.23			M	452	1160	16		1.4	1.26
		F	444	1020	20		2.0	1.17			M	452	1140	23		2.1	1.23
		F	440	1020	42		4.3	1.20			M	452	1080	10		0.9	1.17
		F	425	920	53		6.1	1.20			M	450	1120	12		1.1	1.23
		F	424	880	46		5.5	1.15			M	450	1120	5		0.4	1.23
		F	422	920	40		4.5	1.22			M	448	1120	14		1.3	1.25
		F	422	820	11		1.4	1.09			M	448	1120	12		1.1	1.25
		F	420	960	47		5.1	1.30			M	446	1040	13		1.3	1.17
		F	414	920	47		5.4	1.30			M	436	1020	30		3.0	1.23
		F	396	660	40		6.5	1.06			M	428	1020	9		0.9	1.30
		M	483	1420	4		0.3	1.26			M	424	1060	16		1.5	1.39
		M	476	1180	10		0.9	1.09			M	424	940	19		2.1	1.23
		M	462	1140	8		0.7	1.16		115	F	460	1040	65		6.7	1.07
		M	446	1020	3		0.3	1.15			F	446	1120	64		6.1	1.26
		M	446	980	8		0.8	1.10			F	444	1140	60		5.6	1.30
		M	445	1060	10		1.0	1.20			F	438	1060	55		5.5	1.26
		M	442	980	7		0.7	1.13			F	436	1060	40		3.9	1.28
		M	442	880	6		0.7	1.02			F	436	980	64		7.0	1.18
		M	440	920	6		0.7	1.08			F	428	1060	35		3.4	1.35
		M	438	1020	12		1.2	1.21			F	432	1180	70		6.3	1.46
		M	433	980	22		2.3	1.21			F	426	980	46		4.9	1.27
		M	423	960	6		0.6	1.27			M	498	1360	15		1.1	1.10
		M	420	880	20		2.3	1.19			M	474	1380	16		1.2	1.30
		M	416	880	8		0.9	1.22			M	460	1220	14		1.2	1.25
		M	366	640	18		2.9	1.31			M	458	1220	16		1.3	1.27
		F	450								M	458	1220	13		1.1	1.27
		F	442								M	458	1160	13		1.1	1.21
		F	440								M	456	1120	19		1.7	1.18
		F	440								M	454	1140	11		1.0	1.22
		F	435								M	454	1140	10		0.9	1.22
		F	425								M	452	1120	22		2.0	1.21
		F	420								M	450	1120	17		1.5	1.23
		F	420								M	448	1160	19		1.7	1.29
		F	420								M	446	1060	12		1.1	1.19
		F	410								M	440	1020	36		3.7	1.20
		M	450								M	438	1120	34		3.1	1.33
		M	443								M	436	1140	20		1.8	1.38
		M	440								M	436	1080	17		1.6	1.30
		M	430								M	432	980	18		1.9	1.22
		M	423								M	420	980	18		1.9	1.32
	82-C	F	440	1040	72		7.4	1.22			M	410	880	27		3.2	1.28
		F	440	820	22		2.8	0.96			M	404	860	21		2.5	1.30
		F	435	940	40		4.4	1.14		112	F	460	1220	75		6.6	1.25
		F	435	900	35		4.0	1.09			F	454	1120	24		2.2	1.20
		F	435	880	52		6.3	1.07			F	452	1120	65		6.2	1.21
		F	420	820	20		2.5	1.11			F	440	1120	40		3.7	1.31
		F	410	860	35		4.2	1.25			F	440	1120	28		2.6	1.31

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	438	1020	50		5.2	1.21
		F	436	1040	60		6.1	1.25
		F	434	1080	58		5.7	1.32
		F	434	980	35		3.7	1.20
		F	430	1020	30		3.0	1.28
		F	430	920	50		5.7	1.16
		F	424	1100	45		4.3	1.44
		F	422	1020	42		4.3	1.36
		F	420	960	54		6.0	1.30
		F	410	860	44		5.4	1.25
		M	486	1340	15		1.1	1.17
		M	470	1220	16		1.3	1.18
		M	450	1220	13		1.1	1.34
		M	450	1080	12		1.1	1.19
		M	448	1020	14		1.4	1.13
		M	442	980	16		1.7	1.13
		M	440	1080	13		1.2	1.27
		M	440	1020	18		1.8	1.20
		M	434	1040	12		1.2	1.27
		M	424	1060	22		2.1	1.39
		M	424	1040	20		2.0	1.36
		M	424	940	20		2.2	1.23
		M	420	920	18		2.0	1.24
		M	414	840	15		1.8	1.18
		M	410	940	14		1.5	1.36
	109	F	452	1140	66		6.1	1.23
		F	450	1080	42		4.0	1.19
		F	448	1060	59		5.9	1.18
		F	448	1020	55		5.7	1.13
		F	446	1120	72		6.9	1.26
		F	442	1120	47		4.4	1.30
		F	440	1080	35		3.3	1.27
		F	440	960	51		5.6	1.13
		F	436	1020	74		7.8	1.23
		F	432	960	45		4.9	1.19
		F	428	980	77		8.5	1.25
		F	428	980	46		4.9	1.25
		F	424	980	65		7.1	1.29
		F	422	960	60		6.7	1.28
		F	418	980	46		4.9	1.34
		F	416	940	55		6.2	1.31
		F	414	980	45		4.8	1.38
		M	482	1340	20		1.5	1.20
		M	474	1340	13		1.0	1.26
		M	474	1160	14		1.2	1.09
		M	456	1040	10		1.0	1.10
		M	450	1040	10		1.0	1.14
		M	448	1120	16		1.4	1.25
		M	440	1040	35		3.5	1.22
		M	430	940	14		1.5	1.18
		M	426	1000	20		2.0	1.29
		M	424	1020	20		2.0	1.34
		M	424	840	15		1.8	1.10
		M	420	880	10		1.1	1.19
		M	408	960	20		2.1	1.41
	106-C	F	442	940	39		4.3	1.09
		F	438	1020	60		6.2	1.21
		F	434	960	50		5.5	1.17
		F	434	940	50		5.6	1.15
		F	430	940	74		8.5	1.18
		F	430	940	62		7.1	1.18
		F	430	880	34		4.0	1.11
		F	428	780	49		6.7	0.99
		F	420	980	47		5.0	1.32
		F	410	840	43		5.4	1.22
		M	442	880	6		0.7	1.02
		M	440	1020	23		2.3	1.20
		M	440	980	10		1.0	1.15
		M	416	860	15		1.8	1.19
		M	402	840	27		3.3	1.29
	93-C	F	450	960	54		6.0	1.05
		F	430	960	40		4.3	1.21
		F	430	940	46		5.1	1.18
		F	430	820	35		4.5	1.03
		F	424	780	40		5.4	1.02
		F	422	880	45		5.4	1.17
		F	420	940	49		5.5	1.27
		F	420	860	43		5.3	1.16
		F	416	760	47		6.6	1.06
		F	414	860	42		5.1	1.21
		F	412	880	51		6.2	1.26
		M	450	1080	8		0.7	1.19
		M	434	860	12		1.4	1.05
		M	432	1060	18		1.7	1.31
		M	414	840	16		1.9	1.18
		M	392	740	30		4.2	1.23
	82-C	M	444	960	18		1.9	1.10
G05	121	F	452	1080	65		6.4	1.17
		F	448	1220	70		6.1	1.36
		F	433	1040	60		6.1	1.28
		M	515	1740	26		1.5	1.27
		M	495	1460	10		0.7	1.20
		M	490	1240	23		1.9	1.05
		M	482	1460	13		0.9	1.30
		M	478	1460	18		1.2	1.34
		M	474	1360	10		0.7	1.28
		M	474	1280	10		0.8	1.20
		M	472	1160	21		1.8	1.10
		M	470	1320	26		2.0	1.27
		M	470	1260	25		2.0	1.21
		M	470	1240	10		0.8	1.19
		M	468	1240	21		1.7	1.21
		M	467	1240	20		1.6	1.22
		M	466	1140	5		0.4	1.13
		M	466	1120	6		0.5	1.11
		M	463	1220	13		1.1	1.23
		M	458	1220	23		1.9	1.27
		M	457	1220	7		0.6	1.28
		M	454	1160	17		1.5	1.24
		M	450	1160	15		1.3	1.27
		M	450	1060	15		1.4	1.16
		M	448	1080	7		0.7	1.20
		M	442	1120	40		3.7	1.30
		M	440	1120	19		1.7	1.31
		M	432	1060	6		0.6	1.31
	121-C	M	485	1340	19		1.4	1.17
		M	476	1460	17		1.2	1.35
		M	470	1120	5		0.4	1.08
		M	450	1160	25		2.2	1.27
		M	446	1160	23		2.0	1.31
		F	472	1320	120		10.0	1.26
		F	448	1140	72		6.7	1.27
		F	447	1120	75		7.2	1.25
		F	446	1080	45		4.3	1.22
		F	445	1180	66		5.9	1.34
		F	440	1040	59		6.0	1.22
		F	430	1020	48		4.9	1.28
		F	428	960	52		5.7	1.22
		F	427	960	62		6.9	1.23
		F	427	940	65		7.4	1.21
		F	426	1020	67		7.0	1.32
		F	424	960	56		6.2	1.26
		M	510	1940	40		2.1	1.46
		M	482	1380	25		1.8	1.23
		M	478	1360	13		1.0	1.25
		M	476	1320	18		1.4	1.22
		M	472	1380	24		1.8	1.31
		M	472	1340	14		1.1	1.27
		M	472	1220	10		0.8	1.16
		M	463	1220	12		1.0	1.23

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	460	1260	15		1.2	1.29
		M	460	1220	41		3.5	1.25
		M	454	1360	13		1.0	1.45
		M	453	1360	16		1.2	1.46
		M	450	1060	13		1.2	1.16
		M	447	1160	10		0.9	1.30
		M	443	1040	14		1.4	1.20
		M	436	920	50		5.7	1.11
		M	434	1000	7		0.7	1.22
		M	428	960	23		2.5	1.22
	112	F	472	1140	55		5.1	1.08
		F	462	1140	63		5.8	1.16
		F	455	1120	40		3.7	1.19
		F	448	1080	38		3.6	1.20
		F	446	1160	40		3.6	1.31
		F	442	1140	45		4.1	1.32
		F	438	1080	75		7.5	1.29
		F	435	1040	55		5.6	1.26
		F	435	1020	47		4.8	1.24
		F	432	1120	40		3.7	1.39
		F	426	1040	55		5.6	1.35
		M	490	1620	30		1.9	1.38
		M	485	1340	12		0.9	1.17
		M	482	1460	25		1.7	1.30
		M	476	1360	16		1.2	1.26
		M	474	1340	12		0.9	1.26
		M	473	1240	15		1.2	1.17
		M	470	1420	23		1.6	1.37
		M	468	1120	18		1.6	1.09
		M	468	1120	14		1.3	1.09
		M	460	1040	11		1.1	1.07
		M	458	1140	28		2.5	1.19
		M	454	1160	32		2.8	1.24
		M	450	1120	15		1.4	1.23
		M	447	960	16		1.7	1.07
		M	445	1060	20		1.9	1.20
		M	440	1100	10		0.9	1.29
		M	437	1100	18		1.7	1.32
		M	430	1020	20		2.0	1.28
		M	428	960	24		2.6	1.22
	109	F	452	1080	54		5.3	1.17
		F	450	1140	47		4.3	1.25
		F	442	1180	76		6.9	1.37
		F	432	940	47		5.3	1.17
		F	428	1080	53		5.2	1.38
		F	428	980	45		4.8	1.25
		F	426	1040	45		4.5	1.35
		F	425	1020	42		4.3	1.33
		F	425	980	57		6.2	1.28
		F	425	940	64		7.3	1.22
		F	424	1020	50		5.2	1.34
		F	416	820	35		4.5	1.14
		F	414	880	73		9.0	1.24
		F	414	880	55		6.7	1.24
		M	496	1440	25		1.8	1.18
		M	490	1440	38		2.7	1.22
		M	486	1520	27		1.8	1.32
		M	472	1340	13		1.0	1.27
		M	470	1240	20		1.6	1.19
		M	463	1480	43		3.0	1.49
		M	457	1240	15		1.2	1.30
		M	450	1020	23		2.3	1.12
		M	446	1180	12		1.0	1.33
		M	445	1060	12		1.1	1.20
		M	444	1020	16		1.6	1.17
		M	440	1120	30		2.8	1.31
		M	433	920	13		1.4	1.13
		M	428	1020	25		2.5	1.30
		M	426	880	20		2.3	1.14
		M	425	940	16		1.7	1.22
	106-C	F	428	880	50		6.0	1.12
		F	423	920	55		6.4	1.22
		F	408	860	34		4.1	1.27
		M	464	1240	30		2.5	1.24
		M	458	980	6		0.6	1.02
		M	428	920	22		2.4	1.17
		M	420	960	26		2.8	1.30
		M	410	840	23		2.8	1.22
		M	372	660	14		2.2	1.28
	93-C	F	450	980	37		3.9	1.08
		F	448	1040	50		5.1	1.16
		F	432	860	45		5.5	1.07
		F	428	980	63		6.9	1.25
		F	424	840	53		6.7	1.10
		F	423	820	43		5.5	1.08
		M	460	1180	31		2.7	1.21
		M	458	1220	30		2.5	1.27
		M	450	980	10		1.0	1.08
		M	448	1080	16		1.5	1.20
		M	427	820	7		0.9	1.05
		M	423	840	10		1.2	1.11
		M	420	840	30		3.7	1.13
		M	420	720	11		1.6	0.97
		M	414	880	42		5.0	1.24
		M	413	880	15		1.7	1.25
		M	412	920	23		2.6	1.32
		M	403	820	23		2.9	1.25
		M	394	760	21		2.8	1.24
		M	377	580	10		1.8	1.08
	82-C	F	436	980	48		5.2	1.18
		F	430	960	50		5.5	1.21
		F	430	960	45		4.9	1.21
		F	428	840	53		6.7	1.07
		F	425	880	43		5.1	1.15
		F	420	1040	70		7.2	1.40
		F	418	860	53		6.6	1.18
		F	416	940	47		5.3	1.31
		F	416	900	42		4.9	1.25
		F	415	740	56		8.2	1.04
		F	414	880	47		5.6	1.24
		F	413	780	35		4.7	1.11
		F	406	860	37		4.5	1.29
		F	384	580	32		5.8	1.02
		M	432	720	7		1.0	0.89
		M	422	960	12		1.3	1.28
		M	410	820	20		2.5	1.19
		M	406	780	32		4.3	1.17
		M	385	660	27		4.3	1.16
		M	365	580	7		1.2	1.19
	72-C	F	376	620	23		3.9	1.17
G06	121	F	464	1260	66		5.5	1.26
		F	464	1140	21		1.9	1.14
		F	462	1260	47		3.9	1.28
		F	450	1300	60		4.8	1.43
		F	450	1120	43		4.0	1.23
		F	440	1080	50		4.9	1.27
		F	440	1020	46		4.7	1.20
		F	436	1100	40		3.8	1.33
		F	430	1000	37		3.8	1.26
		M	500	1740	20		1.2	1.39
		M	500	1540	14		0.9	1.23
		M	484	1540	25		1.7	1.36
		M	484	1540	20		1.3	1.36
		M	478	1460	20		1.4	1.34
		M	470	1300	22		1.7	1.25
		M	466	1360	18		1.3	1.34
		M	464	1240	22		1.8	1.24
		M	464	1140	15		1.3	1.14
		M	462	1100	12		1.1	1.12
		M	460	1300	18		1.4	1.34

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	460	1300	15		1.2	1.34
		M	460	1220	8		0.7	1.25
		M	454	1340	24		1.8	1.43
		M	450	1060	32		3.1	1.16
		M	446	1100	18		1.7	1.24
		M	446	1080	40		3.8	1.22
		M	430	1060	24		2.3	1.33
		M	430	1060	14		1.3	1.33
		M	430	1060	9		0.9	1.33
		M	424	1060	10		1.0	1.39
	121-C	F	426	1020	20		2.0	1.32
		M	454	1260	10		0.8	1.35
	115	F	454	1120	74		7.1	1.20
		F	450	1220	67		5.8	1.34
		F	436	1040	60		6.1	1.25
		F	432	1040	53		5.4	1.29
		F	398	880	42		5.0	1.40
		M	508	1960	10		0.5	1.50
		M	504	1720	10		0.6	1.34
		M	490	1640	10		0.6	1.39
		M	476	1380	6		0.4	1.28
		M	474	1480	8		0.5	1.39
		M	474	1380	12		0.9	1.30
		M	472	1260	6		0.5	1.20
		M	468	1260	33		2.7	1.23
		M	464	1180	7		0.6	1.18
		M	456	1340	17		1.3	1.41
		M	456	1340	10		0.8	1.41
		M	456	1260	15		1.2	1.33
		M	454	1240	12		1.0	1.33
		M	454	1220	10		0.8	1.30
		M	450	1280	20		1.6	1.40
		M	450	1080	7		0.7	1.19
		M	436	1020	6		0.6	1.23
		M	434	1120	20		1.8	1.37
		M	434	1120	13		1.2	1.37
		M	432	960	3		0.3	1.19
		M	426	1020	6		0.6	1.32
		M	424	880	13		1.5	1.15
		M	422	980	10		1.0	1.30
		M	412	1040	5		0.5	1.49
		M	404	980	4		0.4	1.49
	112	F	448	1080	32		3.1	1.20
		F	440	1220	54		4.6	1.43
		F	442	1120	53		5.0	1.30
		F	440	1060	57		5.7	1.24
		F	438	1240	54		4.6	1.48
		F	438	1040	62		6.3	1.24
		F	420	1140	42		3.8	1.54
		F	414	980	24		2.5	1.38
		F	414	940	62		7.1	1.32
		F	400	880	37		4.4	1.37
		M	492	1620	20		1.2	1.36
		M	482	1460	20		1.4	1.30
		M	464	1280	12		0.9	1.28
		M	462	1280	7		0.5	1.30
		M	458	1340	5		0.4	1.39
		M	454	1180	7		0.6	1.26
		M	454	1120	7		0.6	1.20
		M	450	1220	30		2.5	1.34
		M	448	1080	17		1.6	1.20
		M	448	920	10		1.1	1.02
		M	446	1140	20		1.8	1.28
		M	442	1120	13		1.2	1.30
		M	438	1040	10		1.0	1.24
		M	436	1040	21		2.1	1.25
		M	432	980	10		1.0	1.22
		M	432	920	5		0.5	1.14
		M	422	1080	20		1.9	1.44
		M	422	980	7		0.7	1.30
		M	408	840	7		0.8	1.24
		M	400	920	8		0.9	1.44
	109	F	448	1120	58		5.5	1.25
		F	444	920	15		1.7	1.05
		F	442	1120	56		5.3	1.30
		F	440	1220	45		3.8	1.43
		F	436	1020	50		5.2	1.23
		F	432	1040	37		3.7	1.29
		F	428	1020	42		4.3	1.30
		F	424	1020	33		3.3	1.34
		F	424	940	55		6.2	1.23
		F	422	960	71		8.0	1.28
		F	420	860	42		5.1	1.16
		F	406	800	37		4.8	1.20
		M	478	1280	7		0.5	1.17
		M	458	1160	21		1.8	1.21
		M	456	1220	10		0.8	1.29
		M	454	1340	13		1.0	1.43
		M	454	1240	18		1.5	1.33
		M	448	1060	5		0.5	1.18
		M	442	1080	6		0.6	1.25
		M	442	960	4		0.4	1.11
		M	420	1040	13		1.3	1.40
		M	420	880	5		0.6	1.19
		M	418	940	7		0.8	1.29
		M	416	980	15		1.6	1.36
		M	410	980	7		0.7	1.42
		M	404	920	7		0.8	1.40
		M	396	760	5		0.7	1.22
		M	394	820	6		0.7	1.34
		M	388	740	23		3.2	1.27
		M	380	780	5		0.6	1.42
	106-C	F	476	1260	34		2.8	1.17
		F	476	1220	47		4.0	1.13
		F	476	1140	18		1.6	1.06
		F	456	1180	50		4.4	1.24
		F	454	1220	55		4.7	1.30
		F	454	1220	35		3.0	1.30
		F	450	1180	45		4.0	1.29
		F	438	960	53		5.8	1.14
		F	430	1080	37		3.5	1.36
		F	430	1040	24		2.4	1.31
		F	424	860	47		5.8	1.13
		F	406	960	53		5.8	1.43
		F	404	960	64		7.1	1.46
		M	486	1420	14		1.0	1.24
		M	470	1340	14		1.1	1.29
		M	456	1220	43		3.7	1.29
		M	456	1220	12		1.0	1.29
		M	454	1220	16		1.3	1.30
		M	436	940	15		1.6	1.13
		M	434	980	17		1.8	1.20
		M	432	960	6		0.6	1.19
		M	428	860	10		1.2	1.10
		M	426	1060	15		1.4	1.37
		M	424	840	10		1.2	1.10
		M	410	800	13		1.7	1.16
		M	408	940	10		1.1	1.38
		M	404	860	12		1.4	1.30
		M	402	880	12		1.4	1.35
		M	402	740	7		1.0	1.14
		M	392	780	13		1.7	1.29
	93-C	F	464	1160	53		4.8	1.16
		F	446	920	43		4.9	1.04
		F	444	1120	62		5.9	1.28
		F	438	1040	78		8.1	1.24
		F	432	1060	43		4.2	1.31
		F	432	940	30		3.3	1.17
		F	428	920	46		5.3	1.17
		F	428	840	30		3.7	1.07

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	418	860	28		3.4	1.18
		F	414	740	30		4.2	1.04
		F	410	780	52		7.1	1.13
		F	404	820	23		2.9	1.24
		F	402	720	33		4.8	1.11
		F	400	820	35		4.5	1.28
		M	452	920	3		0.3	1.00
		M	450	1120	12		1.1	1.23
		M	448	1060	7		0.7	1.18
		M	448	1040	5		0.5	1.16
		M	446	1000	5		0.5	1.13
		M	440	940	7		0.8	1.10
		M	436	1040	13		1.3	1.25
		M	434	1020	10		1.0	1.25
		M	434	960	12		1.3	1.17
		M	428	780	27		3.6	0.99
		M	420	820	3		0.4	1.11
		M	418	760	5		0.7	1.04
		M	404	840	7		0.8	1.27
		M	400	740	7		1.0	1.16
		M	398	800	10		1.3	1.27
		M	394	780	8		1.0	1.28
		F	456					
		F	450					
		F	450					
		F	450					
		F	440					
		F	436					
		F	434					
		F	432					
		F	432					
		F	430					
		F	424					
		F	422					
		F	422					
		F	416					
		F	416					
		F	406					
		M	510					
		M	460					
		M	460					
		M	460					
		M	432					
		M	432					
		M	430					
		M	430					
		M	430					
		M	416					
		M	414					
		M	414					
		M	410					
		M	400					
		M	400					
		M	390					
		M	380					
	82-C	F	424	940	43		4.8	1.23
		F	412	700	23		3.4	1.00
		F	404	820	59		7.8	1.24
		F	396	640	20		3.2	1.03
		M	444	1080	10		0.9	1.23
		M	416	840	12		1.4	1.17
		M	374	580	5		0.9	1.11
	72-C	F	424	980	37		3.9	1.29
		F	350	580	33		6.0	1.35
		M	540	2020	8		0.4	1.28
G07	121	F	470	1440	86		6.4	1.39
		M	520	2800	27		1.0	1.99
		M	432	980	8		0.8	1.22
	115	F	438	1000	46		4.8	1.19
		F	428	1020	33		3.3	1.30

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	428	980	73		8.0	1.25
		M	510	1920	36		1.9	1.45
		M	494	1500	14		0.9	1.24
		M	492	1680	18		1.1	1.41
		M	472	1480	5		0.3	1.41
		M	428	960	14		1.5	1.22
	112	F	490	1220	22		1.8	1.04
		F	470	1420	28		2.0	1.37
		F	468	1280	16		1.3	1.25
		M	472	1440	13		0.9	1.37
		M	472	1360	4		0.3	1.29
		M	436	1040	20		2.0	1.25
		M	422	1000	8		0.8	1.33
		M	422	980	15		1.6	1.30
		M	416	1060	7		0.7	1.47
	109	F	438	1000	53		5.6	1.19
		M	480	1100	4		0.4	0.99
		M	468	960	6		0.6	0.94
		M	436	1040	12		1.2	1.25
		M	420	940	30		3.3	1.27
		M	406	740	5		0.7	1.11
		M	402	800	13		1.7	1.23
	106-C	F	474	1220	87		7.7	1.15
		F	462	1240	41		3.4	1.26
		F	430	1040	55		5.6	1.31
		F	424	1060	36		3.5	1.39
	93-C	F	448	980	35		3.7	1.09
		F	446	1000	34		3.5	1.13
		F	436	980	37		3.9	1.18
		F	426	840	33		4.1	1.09
		F	414	780	42		5.7	1.10
		F	410	820	43		5.5	1.19
		F	410	800	41		5.4	1.16
		M	452	1120	16		1.4	1.21
		M	398	840	16		1.9	1.33
	82-C	M	368	620	14		2.3	1.24
G08	121	F	480	1360	25		1.9	1.23
		F	480	1320	40		3.1	1.19
		F	460	1180	13		1.1	1.21
		F	454	1160	28		2.5	1.24
		F	446	1240	58		4.9	1.40
		F	444	1120	45		4.2	1.28
		F	438	1120	18		1.6	1.33
		F	414	960	47		5.1	1.35
		F	410	980	55		5.9	1.42
		M	500	1640	10		0.6	1.31
		M	490	1620	25		1.6	1.38
		M	490	1480	11		0.7	1.26
		M	480	1260	8		0.6	1.14
		M	474	1540	26		1.7	1.45
		M	474	1460	8		0.6	1.37
		M	474	1180	8		0.7	1.11
		M	470	1320	8		0.6	1.27
		M	470	1220	28		2.3	1.18
		M	460	1360	18		1.3	1.40
		M	464	1240	12		1.0	1.24
		M	460	1360	18		1.3	1.40
		M	460	1360	10		0.7	1.40
		M	460	1240	8		0.6	1.27
		M	458	1220	8		0.7	1.27
		M	448	1320	15		1.1	1.47
		M	442	1080	10		0.9	1.25
		M	440	1120	11		1.0	1.31
		M	424	1060	17		1.6	1.39
		M	420	880	7		0.8	1.19
		M	414	980	18		1.9	1.38
	121-C	F	440	1220	59		5.1	1.43
		F	440	980	35		3.7	1.15
		F	432	980	41		4.4	1.22
		M	474	1320	8		0.6	1.24

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	470	1240	8		0.6	1.19
		M	454	1160	10		0.9	1.24
		M	450	1160	12		1.0	1.27
	115	F	472	1480	51		3.6	1.41
		F	470	1380	42		3.1	1.33
		F	460	1280	65		5.3	1.32
		F	450	1240	13		1.1	1.36
		F	448	1120	40		3.7	1.25
		F	446	1020	14		1.4	1.15
		F	440	980	26		2.7	1.15
		F	430	980	28		2.9	1.23
		F	430	960	15		1.6	1.21
		F	428	1020	31		3.1	1.30
		F	424	1040	58		5.9	1.36
		F	424	1040	35		3.5	1.36
		F	414	1080	33		3.2	1.52
		M	522	1940	12		0.6	1.36
		M	514	1560	5		0.3	1.15
		M	496	1360	10		0.7	1.11
		M	482	1360	12		0.9	1.21
		M	476	1240	4		0.3	1.15
		M	468	1340	18		1.4	1.31
		M	460	1260	10		0.8	1.29
		M	460	1240	15		1.2	1.27
		M	458	1220	8		0.7	1.27
		M	458	1060	5		0.5	1.10
		M	456	1120	10		0.9	1.18
		M	448	1080	10		0.9	1.20
		M	446	1180	13		1.1	1.33
		M	446	1060	13		1.2	1.19
		M	442	1080	14		1.3	1.25
		M	434	1160	8		0.7	1.42
		M	422	980	8		0.8	1.30
	112	F	460	1160	27		2.4	1.19
		F	454	1240	30		2.5	1.33
		F	440	1180	59		5.3	1.39
		F	436	1280	71		5.9	1.54
		F	436	1120	74		7.1	1.35
		F	430	980	38		4.0	1.23
		F	424	980	41		4.4	1.29
		F	416	920	45		5.1	1.28
		F	406	940	58		6.6	1.40
		F	406	880	42		5.0	1.31
		M	494	1560	14		0.9	1.29
		M	480	1480	8		0.5	1.34
		M	474	1380	4		0.3	1.30
		M	470	1360	8		0.6	1.31
		M	464	1280	12		0.9	1.28
		M	460	1240	15		1.2	1.27
		M	454	1320	12		0.9	1.41
		M	454	1220	16		1.3	1.30
		M	452	980	5		0.5	1.06
		M	450	1080	8		0.7	1.19
		M	444	1220	33		2.8	1.39
		M	440	1140	15		1.3	1.34
		M	440	960	14		1.5	1.13
		M	430	1040	25		2.5	1.31
		M	428	960	14		1.5	1.22
		M	426	1160	14		1.2	1.50
		M	424	980	11		1.1	1.29
		M	420	960	15		1.6	1.30
		M	420	940	8		0.9	1.27
		M	400	880	12		1.4	1.37
	109	F	470	1220	14		1.2	1.18
		F	466	1340	54		4.2	1.32
		F	464	1320	14		1.1	1.32
		F	454	1220	51		4.4	1.30
		F	446	1040	23		2.3	1.17
		F	441	1040	44		4.4	1.21
		F	438	920	44		5.0	1.09
		F	436	1020	49		5.0	1.23
		F	436	960	33		3.6	1.16
		F	434	1140	47		4.3	1.39
		F	424	980	46		4.9	1.29
		F	414	880	56		6.8	1.24
		F	410	920	45		5.1	1.33
		F	410	900	55		6.5	1.31
		M	486	1380	8		0.6	1.20
		M	482	1360	18		1.3	1.21
		M	480	1240	10		0.8	1.12
		M	478	1280	10		0.8	1.17
		M	474	1440	14		1.0	1.35
		M	472	1280	10		0.8	1.22
		M	466	1260	13		1.0	1.25
		M	464	1120	13		1.2	1.12
		M	434	1020	10		1.0	1.25
		M	432	1060	12		1.1	1.31
		M	427	880	8		0.9	1.13
		M	422	860	24		2.9	1.14
		M	420	1040	18		1.8	1.40
		M	420	960	22		2.3	1.30
		M	404	880	10		1.1	1.33
		M	400	880	8		0.9	1.37
	106-C	F	470	1220	34		2.9	1.18
		F	450	1280	75		6.2	1.40
		F	448	1040	25		2.5	1.16
		F	444	1120	39		3.6	1.28
		F	436	1020	54		5.6	1.23
		F	436	960	43		4.7	1.16
		F	432	1020	50		5.2	1.27
		F	430	1040	39		3.9	1.31
		F	426	1120	75		7.2	1.45
		F	424	1040	28		2.8	1.36
		F	420	880	41		4.9	1.19
		F	410	880	57		6.9	1.28
		F	408	840	37		4.6	1.24
		M	480	1240	8		0.6	1.12
		M	476	1320	16		1.2	1.22
		M	464	1360	7		0.5	1.36
		M	456	1160	13		1.1	1.22
		M	452	1240	16		1.3	1.34
		M	448	1060	8		0.8	1.18
		M	446	1120	14		1.3	1.26
		M	444	940	10		1.1	1.07
		M	428	920	10		1.1	1.17
		M	420	840	19		2.3	1.13
		M	420	780	13		1.7	1.05
		M	414	880	25		2.9	1.24
		M	410	820	8		1.0	1.19
		M	410	780	11		1.4	1.13
		M	400	740	14		1.9	1.16
		M	394	980	11		1.1	1.60
		M	384	680	8		1.2	1.20
	93-C	F	450	1140	14		1.2	1.25
		F	450	1060	27		2.6	1.16
		F	450	860	37		4.5	0.94
		F	448	960	32		3.4	1.07
		F	442	960	45		4.9	1.11
		F	440	920	34		3.8	1.08
		F	434	1220	68		5.9	1.49
		F	434	1060	65		6.5	1.30
		F	430	920	32		3.6	1.16
		F	414	780	30		4.0	1.10
		M	476	1320	35		2.7	1.22
		M	464	1180	30		2.6	1.18
		M	460	1280	22		1.7	1.32
		M	434	880	16		1.9	1.08
		M	430	820	14		1.7	1.03
		M	410	920	15		1.7	1.33
		M	410	820	17		2.1	1.19

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	400	840	12		1.4	1.31			M	460	1280	36		2.9	1.32
		M	400	720	12		1.7	1.12			M	460	1160	24		2.1	1.19
		M	400	580	4		0.7	0.91			M	456	1280	45		3.6	1.35
		M	392	780	14		1.8	1.29			M	456	1040	28		2.8	1.10
		M	392	780	8		1.0	1.29			M	450	1240	42		3.5	1.36
		M	392	640	8		1.3	1.06			M	450	1140	15		1.3	1.25
		M	390	700	35		5.3	1.18			M	450	1060	22		2.1	1.16
		M	390	700	15		2.2	1.18			M	448	1180	36		3.1	1.31
		M	390	660	5		0.8	1.11			M	442	1060	25		2.4	1.23
		M	376	700	10		1.4	1.32			M	436	1080	22		2.1	1.30
		M	374	660	15		2.3	1.26	121		F	484	1320	43		3.4	1.16
		M	370	580	5		0.9	1.15			F	468	1320	48		3.8	1.29
		M	350	520	18		3.6	1.21			F	462	1280	92		7.7	1.30
		F	460								F	456	1160	66		6.0	1.22
		F	458								F	454	1240	82		7.1	1.33
		F	456								F	448	1180	91		8.4	1.31
		F	430								F	436	1080	62		6.1	1.30
		F	430								M	524	1980	58		3.0	1.38
		F	416								M	512	1680	36		2.2	1.25
		F	416								M	508	1820	46		2.6	1.39
		F	410								M	492	1220	10		0.8	1.02
		F	400								M	490	1280	43		3.5	1.09
		F	364								M	484	1340	18		1.4	1.18
		F	348								M	474	1340	28		2.1	1.26
		M	482								M	472	1260	25		2.0	1.20
		M	470								M	472	1240	37		3.1	1.18
		M	460								M	468	1220	18		1.5	1.19
		M	452								M	464	1220	11		0.9	1.22
		M	450								M	464	1120	55		5.2	1.12
		M	438								M	462	1220	38		3.2	1.24
		M	438								M	462	1120	31		2.8	1.14
		M	432								M	458	1080	23		2.2	1.12
		M	430								M	454	1180	24		2.1	1.26
		M	421								M	454	1140	12		1.1	1.22
		M	420								M	448	1020	33		3.3	1.13
		M	416								M	446	1080	25		2.4	1.22
		M	414								M	440	1040	17		1.7	1.22
		M	406								M	434	1040	48		4.8	1.27
		M	406								M	426	1020	56		5.8	1.32
		M	404								M	410	820	22		2.8	1.19
		M	368						121-C		M	430	1200	30		2.6	1.51
		M	362						115		F	480	1420	88		6.6	1.28
	82-C	F	426	880	37		4.4	1.14			F	476	1160	52		4.7	1.08
		F	404	660	39		6.3	1.00			F	467	1260	98		8.4	1.24
		M	396	660	10		1.5	1.06			F	462	1160	63		5.7	1.18
		M	392	820	12		1.5	1.36			F	458	1120	96		9.4	1.17
		M	384	800	25		3.2	1.41			F	454	1120	73		7.0	1.20
		M	376	680	14		2.1	1.28			F	454	1040	78		8.1	1.11
		M	360	600	6		1.0	1.29			F	452	1060	83		8.5	1.15
		M	350	520	7		1.4	1.21			F	450	1400	42		3.1	1.54
		M	342	500	8		1.6	1.25			F	450	1240	74		6.3	1.36
	72-C	M	380	640	15		2.4	1.17			F	448	1040	96		10.2	1.16
		M	366	680	10		1.5	1.39			F	444	1600	84		5.5	1.83
		M	350	520	32		6.6	1.21			F	440	1020	55		5.7	1.20
	63-C	M	456	1120	30		2.8	1.18			M	530	2160	115		5.6	1.45
G09	124	F	488	1480	54		3.8	1.27			M	514	1740	23		1.3	1.28
		F	468	1280	57		4.7	1.25			M	500	1340	24		1.8	1.07
		F	462	1200	73		6.5	1.22			M	493	1340	32		2.4	1.12
		F	454	1240	105		9.3	1.33			M	490	1340	26		2.0	1.14
		F	452	1220	86		7.6	1.32			M	486	1360	28		2.1	1.18
		F	430	1040	84		8.8	1.31			M	485	1340	37		2.8	1.17
		M	486	1320	34		2.6	1.15			M	462	1320	30		2.3	1.34
		M	484	1460	10		0.7	1.29			M	460	1100	14		1.3	1.13
		M	484	1420	56		4.1	1.25			M	458	1180	40		3.5	1.23
		M	480	1520	26		1.7	1.37			M	456	1080	48		4.7	1.14
		M	480	1320	42		3.3	1.19			M	456	1060	23		2.2	1.12
		M	476	1420	92		6.9	1.32			M	450	1020	35		3.6	1.12
		M	474	1280	25		2.0	1.20			M	430	980	33		3.5	1.23
		M	470	1220	48		4.1	1.18			M	412	880	44		5.3	1.26
		M	460	1180	22		1.9	1.21			M	410	880	44		5.3	1.28

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	406	840	20		2.4	1.26
	112	F	510	1540	108		7.5	1.16
		F	464	1280	100		8.5	1.28
		F	458	1160	60		5.5	1.21
		F	446	1080	96		9.8	1.22
		F	444	1120	89		8.6	1.28
		F	442	1020	94		10.2	1.18
		F	440	980	85		9.5	1.15
		F	438	1060	50		5.0	1.26
		F	426	980	47		5.0	1.27
		M	492	1560	25		1.6	1.31
		M	490	1720	27		1.6	1.46
		M	482	1340	18		1.4	1.20
		M	470	1080	16		1.5	1.04
		M	460	1060	39		3.8	1.09
		M	450	1160	32		2.8	1.27
		M	450	1140	40		3.6	1.25
		M	442	1060	30		2.9	1.23
		M	430	880	32		3.8	1.11
		M	430	880	11		1.3	1.11
		M	424	1000	17		1.7	1.31
		M	420	940	19		2.1	1.27
		M	420	860	19		2.3	1.16
		M	414	920	38		4.3	1.30
		M	414	900	47		5.5	1.27
		M	412	920	35		4.0	1.32
		M	412	820	41		5.3	1.17
		M	410	860	19		2.3	1.25
		M	400	780	12		1.6	1.22
		M	398	760	38		5.3	1.21
		M	394	780	44		6.0	1.28
	106-C	F	394	880	65		8.0	1.44
		M	482	1260	5		0.4	1.13
		M	474	1240	53		4.5	1.16
		M	472	1260	67		5.6	1.20
		M	452	1120	59		5.6	1.21
		M	448	1060	13		1.2	1.18
		M	422	960	32		3.4	1.28
		M	420	900	23		2.6	1.21
	93-C	F	472	1240	88		7.6	1.18
		F	420	920	52		6.0	1.24
		F	382	660	62		10.4	1.18
		M	460	1180	33		2.9	1.21
		M	424	920	62		7.2	1.21
		M	390	680	25		3.8	1.15
		M	384	720	23		3.3	1.27
		M	376	720	42		6.2	1.35
		M	374	620	38		6.5	1.19
		M	372	620	26		4.4	1.20
		M	370	540	26		5.1	1.07
	82-C	F	438	960	99		11.5	1.14
		F	436	980	78		8.6	1.18
		F	420	880	53		6.4	1.19
		F	386	720	23		3.3	1.25
		M	424	920	23		2.6	1.21
	72-C	M	360	480	28		6.2	1.03
	63-C	F	418	880	64		7.8	1.20
		F	394	720	32		4.7	1.18
G10	138-C	F	464	1120	72		6.9	1.12
		F	456	1080	91		9.2	1.14
		F	452	1200	73		6.5	1.30
		F	448	1020	67		7.0	1.13
		F	446	1200	110		10.1	1.35
		F	440	1020	74		7.8	1.20
		F	434	980	83		9.3	1.20
		F	420	900	80		9.8	1.21
		F	410	920	57		6.6	1.33
		M	488	1400	13		0.9	1.20
		M	486	1480	25		1.7	1.29
		M	460	1060	56		5.6	1.09
		M	458	1120	21		1.9	1.17
		M	456	1220	47		4.0	1.29
		M	450	980	28		2.9	1.08
		M	448	1100	14		1.3	1.22
		M	444	1040	24		2.4	1.19
		M	440	880	22		2.6	1.03
		M	438	1000	23		2.4	1.19
		M	436	900	42		4.9	1.09
		M	430	860	37		4.5	1.08
		M	426	880	42		5.0	1.14
		M	416	860	29		3.5	1.19
		M	412	860	24		2.9	1.23
		M	406	920	48		5.5	1.37
	124	F	478	1280	93		7.8	1.17
		F	470	1320	99		8.1	1.27
		F	468	1200	68		6.0	1.17
		F	464	1520	105		7.4	1.52
		F	454	1060	60		6.0	1.13
		F	442	1180	71		6.4	1.37
		M	506	1340	21		1.6	1.03
		M	506	1200	29		2.5	0.93
		M	500	1240	44		3.7	0.99
		M	494	1420	28		2.0	1.18
		M	494	1380	55		4.2	1.14
		M	490	1320	32		2.5	1.12
		M	490	1280	18		1.4	1.09
		M	486	1220	13		1.1	1.06
		M	484	1480	55		3.9	1.31
		M	484	1240	22		1.8	1.09
		M	484	1140	28		2.5	1.01
		M	470	1380	8		0.6	1.33
		M	470	1360	20		1.5	1.31
		M	468	1180	47		4.1	1.15
		M	464	1420	21		1.5	1.42
		M	462	1280	24		1.9	1.30
		M	462	1080	38		3.6	1.10
		M	458	1220	19		1.6	1.27
		M	454	1280	68		5.6	1.37
		M	454	1220	18		1.5	1.30
		M	450	1180	28		2.4	1.29
		M	442	980	29		3.0	1.13
		M	434	1080	50		4.9	1.32
		M	430	1120	32		2.9	1.41
	121	F	470	1400	87		6.6	1.35
		F	462	1320	57		4.5	1.34
		F	462	940	87		10.2	0.95
		F	460	1080	58		5.7	1.11
		F	454	1180	85		7.8	1.26
		F	452	1280	91		7.7	1.39
		F	450	1080	93		9.4	1.19
		F	440	1120	74		7.1	1.31
		F	424	800	68		9.3	1.05
		M	494	1420	34		2.5	1.18
		M	482	1340	38		2.9	1.20
		M	482	1320	31		2.4	1.18
		M	480	1340	33		2.5	1.21
		M	480	1220	24		2.0	1.10
		M	480	1220	17		1.4	1.10
		M	478	1500	47		3.2	1.37
		M	476	1400	36		2.6	1.30
		M	470	1220	34		2.9	1.18
		M	468	1300	55		4.4	1.27
		M	468	1280	43		3.5	1.25
		M	462	1420	73		5.4	1.44
		M	460	1220	30		2.5	1.25
		M	458	1340	33		2.5	1.39
		M	456	1100	25		2.3	1.16
		M	450	1200	37		3.2	1.32
		M	450	1120	23		2.1	1.23
		M	448	1180	19		1.6	1.31

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	442	1100	25		2.3	1.27
		M	438	1140	51		4.7	1.36
		M	424	1060	30		2.9	1.39
	121-C	F	498	1520	123		8.8	1.23
		F	480	1380	87		6.7	1.25
		F	468	1160	82		7.6	1.13
		F	466	1220	75		6.6	1.21
		F	460	1180	97		9.0	1.21
		F	458	1180	85		7.8	1.23
		F	456	1140	77		7.2	1.20
		F	440	960	88		10.1	1.13
		M	512	1660	36		2.2	1.24
		M	512	1480	38		2.6	1.10
		M	508	1500	18		1.2	1.14
		M	492	1460	47		3.3	1.23
		M	482	1740	52		3.1	1.55
		M	480	1480	36		2.5	1.34
		M	480	1240	13		1.1	1.12
		M	480	1200	17		1.4	1.09
		M	478	1320	38		3.0	1.21
		M	478	1220	41		3.5	1.12
		M	474	1280	27		2.2	1.20
		M	466	1240	28		2.3	1.23
		M	462	1240	38		3.2	1.26
		M	460	1160	18		1.6	1.19
		M	460	1120	59		5.6	1.15
		M	460	1120	30		2.8	1.15
		M	460	1040	54		5.5	1.07
		M	450	1020	33		3.3	1.12
		M	448	960	45		4.9	1.07
		M	446	1140	41		3.7	1.28
		M	446	1000	26		2.7	1.13
		M	442	980	63		6.9	1.13
		M	440	980	57		6.2	1.15
		M	436	1020	44		4.5	1.23
		M	426	960	26		2.8	1.24
	115	F	462	1080	63		6.2	1.10
		F	458	1280	28		2.2	1.33
		F	454	1200	53		4.6	1.28
		F	454	1160	52		4.7	1.24
		F	450	1240	87		7.5	1.36
		F	450	1100	57		5.5	1.21
		F	436	1100	73		7.1	1.33
		F	416	1000	52		5.5	1.39
		M	510	1460	57		4.1	1.10
		M	500	1380	21		1.5	1.10
		M	494	1440	68		5.0	1.19
		M	492	1300	50		4.0	1.09
		M	490	1380	32		2.4	1.17
		M	484	1400	20		1.4	1.23
		M	474	1420	57		4.2	1.33
		M	472	1260	15		1.2	1.20
		M	472	1120	13		1.2	1.07
		M	464	1220	58		5.0	1.22
		M	462	1360	43		3.3	1.38
		M	456	1100	48		4.6	1.16
		M	454	1180	32		2.8	1.26
		M	454	1100	30		2.8	1.18
		M	452	1220	31		2.6	1.32
		M	452	1140	17		1.5	1.23
		M	450	1120	59		5.6	1.23
		M	450	1020	53		5.5	1.12
		M	446	1020	50		5.2	1.15
		M	440	980	35		3.7	1.15
		M	442	1200	30		2.6	1.39
		M	422	1100	36		3.4	1.46
	112	F	492	1560	102		7.0	1.31
		F	474	1540	72		4.9	1.45
		F	472	1460	120		9.0	1.39
		F	460	1240	57		4.8	1.27
		F	456	1180	87		8.0	1.24
		F	452	1220	76		6.6	1.32
		F	450	1240	79		6.8	1.36
		F	450	1100	67		6.5	1.21
		F	450	1080	81		8.1	1.19
		F	450	1080	78		7.8	1.19
		F	444	1100	88		8.7	1.26
		F	444	1100	54		5.2	1.26
		F	444	1000	86		9.4	1.14
		F	442	1240	75		6.4	1.44
		F	424	980	76		8.4	1.29
		F	422	1040	58		5.9	1.38
		M	514	1500	24		1.6	1.10
		M	506	1480	26		1.8	1.14
		M	486	1420	22		1.6	1.24
		M	480	1200	11		0.9	1.09
		M	476	1300	26		2.0	1.21
		M	472	1260	18		1.4	1.20
		M	470	1200	18		1.5	1.16
		M	460	1200	54		4.7	1.23
		M	460	1100	18		1.7	1.13
		M	458	1200	39		3.4	1.25
		M	450	1000	28		2.9	1.10
		M	438	1000	32		3.3	1.19
		M	430	1000	25		2.6	1.26
		M	420	800	37		4.8	1.08
	93-C	F	462	1100	82		8.1	1.12
		F	454	1220	83		7.3	1.30
		F	452	1000	72		7.8	1.08
		F	450	1260	100		8.6	1.38
		F	446	1000	65		7.0	1.13
		F	438	940	70		8.0	1.12
		F	430	1000	69		7.4	1.26
		F	428	880	64		7.8	1.12
		F	426	920	93		11.2	1.19
		M	492	1720	84		5.1	1.44
		M	476	1240	61		5.2	1.15
		M	470	1260	26		2.1	1.21
		M	464	1180	87		8.0	1.18
		M	458	1060	58		5.8	1.10
		M	446	780	36		4.8	0.88
		M	444	720	36		5.3	0.82
		M	436	920	24		2.7	1.11
		M	428	1000	42		4.4	1.28
		M	428	820	14		1.7	1.05
		M	416	820	18		2.2	1.14
		M	414	920	36		4.1	1.30
		M	408	780	36		4.8	1.15
		M	406	900	26		3.0	1.34
		M	390	680	14		2.1	1.15
		M	388	700	38		5.7	1.20
		M	386	640	31		5.1	1.11
		M	376	580	28		5.1	1.09
	82-C	M	444	1160	49		4.4	1.33
		M	406	860	41		5.0	1.29
		M	402	920	33		3.7	1.42
		M	360	580	42		7.8	1.24
		M	356	540	28		5.5	1.20
		M	338	460	16		3.6	1.19
	72-C	M	466	1040	44		4.4	1.03
		M	450	1080	31		3.0	1.19
		M	426	940	16		1.7	1.22
	63-C	F	398	820	80		10.8	1.30
		M	398	820	23		2.9	1.30
	L-L	F	457	1020	76		8.1	1.07
		F	443	1020	48		4.9	1.17
		F	440	890	63		7.6	1.04
		F	438	1000	75		8.1	1.19
		F	423	780	70		9.9	1.03
		F	404	700	52		8.0	1.06

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	504	1500	15		1.0	1.17
		M	490	1300	20		1.6	1.10
		M	440	860	42		5.1	1.01
		M	393	740	25		3.5	1.22
G11	138-C	M	520	1740	41		2.4	1.24
		M	482	1520	29		1.9	1.36
		M	480	1540	31		2.1	1.39
	124	F	470	1420	100		7.6	1.37
		F	466	1320	97		7.9	1.30
		F	466	1220	81		7.1	1.21
		F	462	1240	74		6.3	1.26
		F	454	1220	115		10.4	1.30
		F	450	1160	63		5.7	1.27
		F	448	1120	72		6.9	1.25
		F	446	1120	62		5.9	1.26
		F	440	1180	92		8.5	1.39
		M	500	1480	22		1.5	1.18
		M	492	1460	35		2.5	1.23
		M	490	1520	92		6.4	1.29
		M	484	1580	32		2.1	1.39
		M	484	1320	45		3.5	1.16
		M	480	1540	47		3.1	1.39
		M	480	1460	27		1.9	1.32
		M	480	1340	40		3.1	1.21
		M	476	1360	73		5.7	1.26
		M	476	1180	40		3.5	1.09
		M	474	1320	32		2.5	1.24
		M	472	1240	16		1.3	1.18
		M	470	1280	13		1.0	1.23
		M	464	1220	43		3.7	1.22
		M	454	1240	31		2.6	1.33
		M	450	1180	44		3.9	1.29
		M	446	1120	28		2.6	1.26
		M	440	1120	57		5.4	1.31
		M	436	1080	48		4.7	1.30
		M	430	1060	57		5.7	1.33
		M	428	1020	62		6.5	1.30
	121	F	472	1280	42		3.4	1.22
		F	470	1280	75		6.2	1.23
		F	466	1240	93		8.1	1.23
		F	464	1260	72		6.1	1.26
		F	462	1260	97		8.3	1.28
		F	460	1180	64		5.7	1.21
		F	454	1280	84		7.0	1.37
		F	454	1180	82		7.5	1.26
		F	450	1180	74		6.7	1.29
		F	450	1180	47		4.1	1.29
		F	446	1060	120		12.8	1.19
		F	444	1080	78		7.8	1.23
		F	442	1040	62		6.3	1.20
		F	436	1020	86		9.2	1.23
		F	432	1080	46		4.4	1.34
		F	430	1140	86		8.2	1.43
		M	490	1320	22		1.7	1.12
		M	486	1380	24		1.8	1.20
		M	482	1640	41		2.6	1.46
		M	482	1440	50		3.6	1.29
		M	478	1240	46		3.9	1.14
		M	468	1220	16		1.3	1.19
		M	466	1320	59		4.7	1.30
		M	464	1160	40		3.6	1.16
		M	462	1260	62		5.2	1.28
		M	462	1160	55		5.0	1.18
		M	458	1180	15		1.3	1.23
		M	452	1220	68		5.9	1.32
		M	446	1140	36		3.3	1.28
		M	442	1120	41		3.8	1.30
	121-C	F	474	1280	85		7.1	1.20
		F	470	1320	76		6.1	1.27
		F	460	1300	66		5.3	1.34
		F	460	1280	88		7.4	1.32
		F	456	1180	51		4.5	1.24
		F	456	1140	74		6.9	1.20
		F	452	1180	87		8.0	1.28
		F	450	1140	47		4.3	1.25
		F	444	1060	93		9.6	1.21
		F	440	1180	91		8.4	1.39
		F	440	1080	50		4.9	1.27
		F	434	1040	100		10.6	1.27
		M	488	1560	46		3.0	1.34
		M	472	1180	35		3.1	1.12
		M	468	1280	65		5.3	1.25
		M	464	1320	29		2.2	1.32
		M	464	1240	32		2.6	1.24
		M	450	1220	20		1.7	1.34
		M	450	1140	62		5.8	1.25
		M	444	1100	47		4.5	1.26
		M	442	1040	51		5.2	1.20
		M	436	1120	50		4.7	1.35
		M	434	1020	40		4.1	1.25
	115	F	470	1320	99		8.1	1.27
		F	466	1220	77		6.7	1.21
		F	466	1180	98		9.1	1.17
		F	464	1080	77		7.7	1.08
		F	460	1160	66		6.0	1.19
		F	460	1120	80		7.7	1.15
		F	456	1280	80		6.7	1.35
		F	456	1160	96		9.0	1.22
		F	452	1140	63		5.8	1.23
		F	452	960	75		8.5	1.04
		F	448	1080	62		6.1	1.20
		F	440	920	62		7.2	1.08
		F	436	960	73		8.2	1.16
		F	432	940	67		7.7	1.17
		M	524	1860	64		3.6	1.29
		M	484	1460	41		2.9	1.29
		M	478	1440	54		3.9	1.32
		M	478	1320	20		1.5	1.21
		M	478	1280	27		2.2	1.17
		M	476	1340	41		3.2	1.24
		M	474	1280	55		4.5	1.20
		M	470	1340	23		1.7	1.29
		M	468	1320	27		2.1	1.29
		M	462	1160	31		2.7	1.18
		M	454	1060	47		4.6	1.13
		M	450	1140	24		2.2	1.25
		M	446	1020	51		5.3	1.15
		M	430	1060	56		5.6	1.33
		M	422	1040	30		3.0	1.38
		M	406	920	37		4.2	1.37
	112	F	482	1480	86		6.2	1.32
		F	470	1280	53		4.3	1.23
		F	464	1140	66		6.1	1.14
		F	460	1180	115		10.8	1.21
		F	460	1260	95		8.2	1.29
		F	460	1120	52		4.9	1.15
		F	452	1140	72		6.7	1.23
		F	450	1060	83		8.5	1.16
		F	442	1080	65		6.4	1.25
		F	438	1020	93		10.0	1.21
		F	434	1040	67		6.9	1.27
		F	432	1020	73		7.7	1.27
		F	430	1120	57		5.4	1.41
		F	422	940	74		8.5	1.25
		F	422	860	66		8.3	1.14
		M	500	1560	86		5.8	1.25
		M	470	1160	22		1.9	1.12
		M	460	1360	44		3.3	1.40
		M	460	1260	55		4.6	1.29
		M	460	1060	27		2.6	1.09

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	456	1140	33		3.0	1.20
		M	450	1260	31		2.5	1.40
		M	450	1040	27		2.7	1.14
		M	444	1120	26		2.4	1.28
		M	440	960	36		3.9	1.13
		M	432	1060	42		4.1	1.31
		M	432	1040	23		2.3	1.29
		M	432	960	57		6.3	1.19
		M	430	1020	26		2.6	1.28
		M	424	860	32		3.9	1.13
106-C		F	546	1720	73		4.4	1.06
		F	470	1160	93		8.7	1.12
		F	464	1320	64		5.1	1.32
		F	464	1280	89		7.5	1.28
		F	460	1200	55		4.8	1.23
		F	450	1040	86		9.0	1.14
		F	450	1000	70		7.5	1.10
		F	450	920	67		7.9	1.01
		F	450	900	70		8.4	0.99
		F	440	1100	92		9.1	1.29
		F	440	980	78		8.6	1.15
		F	440	920	76		9.0	1.08
		F	430	940	76		8.8	1.18
		F	408	860	53		6.6	1.27
		F	406	820	65		8.6	1.23
		M	480	1320	34		2.6	1.19
		M	472	1040	36		3.6	0.99
		M	464	1320	42		3.3	1.32
		M	464	1140	36		3.3	1.14
		M	450	1100	52		5.0	1.21
		M	446	1100	23		2.1	1.24
		M	444	1240	54		4.6	1.42
		M	432	1040	40		4.0	1.29
		M	432	820	20		2.5	1.02
		M	430	980	38		4.0	1.23
		M	430	900	37		4.3	1.13
		M	430	860	40		4.9	1.08
		M	418	940	12		1.3	1.29
		M	418	840	34		4.2	1.15
		M	390	700	45		6.9	1.18
		F	470					
		F	460					
		F	454					
		F	442					
		F	442					
		F	430					
		F	430					
		F	430					
		M	488					
		M	480					
		M	478					
		M	472					
		M	464					
		M	450					
		M	438					
		M	430					
		M	430					
		M	424					
		M	372					
73-C		F	554	1160	69		6.3	0.68
		F	460	1080	62		6.1	1.11
		F	458	1220	68		5.9	1.27
		F	450	1040	83		8.7	1.14
		F	450	1020	73		7.7	1.12
		F	450	920	70		8.2	1.01
		F	446	1240	105		9.3	1.40
		F	440	940	85		9.9	1.10
		F	434	920	80		9.5	1.13
		F	430	980	70		7.7	1.23
		F	430	860	65		8.2	1.08

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	426	940	63		7.2	1.22
		F	424	820	54		7.0	1.08
		F	422	980	81		9.0	1.30
		F	422	880	62		7.6	1.17
		F	416	760	72		10.5	1.06
		F	414	760	41		5.7	1.07
		F	380	780	63		8.6	1.42
		M	464	1180	22		1.9	1.18
		M	462	1120	21		1.9	1.14
		M	456	1180	48		4.2	1.24
		M	456	1160	31		2.7	1.22
		M	440	1080	22		2.1	1.27
		M	440	1020	48		4.9	1.20
		M	440	960	42		4.6	1.13
		M	418	780	38		5.1	1.07
		M	414	720	23		3.3	1.01
		M	402	780	44		6.0	1.20
		M	400	760	53		7.5	1.19
		M	380	680	32		4.9	1.24
		F	456					
		F	452					
		F	448					
		F	442					
		F	442					
		F	440					
		F	438					
		F	432					
		F	432					
		F	426					
		F	424					
		F	414					
		F	414					
		F	400					
		M	512					
		M	480					
		M	470					
		M	470					
		M	464					
		M	454					
		M	454					
		M	446					
		M	420					
		M	416					
		M	414					
		M	410					
		M	374					
	82-C	F	460	1140	37		3.4	1.17
		F	446	1040	67		6.9	1.17
		F	444	1020	84		9.0	1.17
		F	436	920	73		8.6	1.11
		F	434	980	67		7.3	1.20
		F	434	940	69		7.9	1.15
		F	432	940	64		7.3	1.17
		F	420	840	75		9.8	1.13
		F	416	780	67		9.4	1.08
		F	406	800	55		7.4	1.20
		F	406	740	63		9.3	1.11
		M	474	1260	69		5.8	1.18
		M	462	520	14		2.8	0.53
		M	460	1080	55		5.4	1.11
		M	434	1000	31		3.2	1.22
		M	426	960	48		5.3	1.24
		M	414	920	45		5.1	1.30
		M	414	780	54		7.4	1.10
		M	414	640	16		2.6	0.90
		M	412	740	38		5.4	1.06
		M	390	780	27		3.6	1.31
		M	386	580	22		3.9	1.01
		M	382	680	41		6.4	1.22
		M	376	640	44		7.4	1.20

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	72-C	F	436	1020	88		9.4	1.23
		M	386	780	16		2.1	1.36
		M	346	360	18		5.3	0.87
	63-C	F	440	960	70		7.9	1.13
		M	426	920	56		6.5	1.19
G12	138-C	M	546	1820	42		2.4	1.12
		M	490	1480	52		3.6	1.26
		M	490	1260	37		3.0	1.07
		M	488	1420	35		2.5	1.22
	124	F	502	1420	100		7.6	1.12
		F	480	1320	72		5.8	1.19
		F	476	1280	92		7.7	1.19
		F	472	1340	78		6.2	1.27
		F	468	1260	97		8.3	1.23
		F	464	1320	73		5.9	1.32
		F	460	1340	92		7.4	1.38
		F	450	1220	83		7.3	1.34
		F	450	1220	64		5.5	1.34
		F	450	1180	73		6.6	1.29
		F	448	1180	74		6.7	1.31
		F	446	1180	69		6.2	1.33
		M	500	1560	36		2.4	1.25
		M	498	1460	42		3.0	1.18
		M	494	1320	68		5.4	1.09
		M	482	1360	38		2.9	1.21
		M	480	1400	39		2.9	1.27
		M	476	1280	33		2.6	1.19
		M	474	1380	51		3.8	1.30
		M	464	1180	58		5.2	1.18
		M	460	1240	24		2.0	1.27
		M	460	1180	5		0.4	1.21
		M	458	1180	46		4.1	1.23
		M	456	1220	45		3.8	1.29
		M	456	1140	33		3.0	1.20
		M	454	1320	37		2.9	1.41
		M	452	1140	41		3.7	1.23
		M	448	1180	66		5.9	1.31
		M	440	1120	41		3.8	1.31
		M	438	1040	61		6.2	1.24
	121	F	480	1360	57		4.4	1.23
		F	478	1520	82		5.7	1.39
		F	474	1280	62		5.1	1.20
		F	466	1260	110		9.6	1.25
		F	460	1380	74		5.7	1.42
		F	460	1140	78		7.3	1.17
		F	450	1160	69		6.3	1.27
		F	448	1240	77		6.6	1.38
		F	446	1220	95		8.4	1.38
		M	512	1820	76		4.4	1.36
		M	500	1420	42		3.0	1.14
		M	494	1580	21		1.3	1.31
		M	484	1480	28		1.9	1.31
		M	484	1460	43		3.0	1.29
		M	472	1320	15		1.1	1.26
		M	470	1320	14		1.1	1.27
		M	470	1260	28		2.3	1.21
		M	470	1220	27		2.3	1.18
		M	468	1320	24		1.9	1.29
		M	464	1180	57		5.1	1.18
		M	464	1160	49		4.4	1.16
		M	462	1260	36		2.9	1.28
		M	460	1260	53		4.4	1.29
		M	454	1220	22		1.8	1.30
		M	452	1220	30		2.5	1.32
		M	450	1160	32		2.8	1.27
		M	446	1180	43		3.8	1.33
		M	444	1120	37		3.4	1.28
		M	424	980	35		3.7	1.29
		M	420	1320	28		2.2	1.78
	121-C	F	492	1460	95		7.0	1.23

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	478	1500	25		1.7	1.37
		F	476	1340	87		6.9	1.24
		F	470	1280	88		7.4	1.23
		F	464	1260	85		7.2	1.26
		F	464	1200	66		5.8	1.20
		F	460	1240	91		7.9	1.27
		F	458	1200	95		8.6	1.25
		F	458	1200	70		6.2	1.25
		F	458	1120	60		5.7	1.17
		F	456	1300	68		5.5	1.37
		F	454	1100	75		7.3	1.18
		F	454	1100	30		2.8	1.18
		F	450	1220	65		5.6	1.34
		F	450	1100	62		6.0	1.21
		F	436	1100	92		9.1	1.33
		F	434	1220	85		7.5	1.49
		F	416	980	80		8.9	1.36
		M	524	1740	53		3.1	1.21
		M	514	1700	40		2.4	1.25
		M	480	1540	25		1.7	1.39
		M	480	1520	52		3.5	1.37
		M	480	1420	63		4.6	1.28
		M	480	1360	20		1.5	1.23
		M	480	1280	29		2.3	1.16
		M	454	1080	28		2.7	1.15
		M	444	1080	38		3.6	1.23
		M	442	1160	60		5.5	1.34
		M	442	1160	32		2.8	1.34
		M	438	1060	42		4.1	1.26
		F	474					
		F	460					
		F	450					
		F	440					
		F	434					
		M	514					
		M	502					
		M	490					
		M	480					
		M	470					
		M	454					
		M	454					
		M	442					
		M	440					
		M	434					
		F	484	1460	89		6.5	1.29
		F	478	1360	90		7.1	1.25
		F	474	1260	86		7.3	1.18
		F	464	1240	80		6.9	1.24
		F	460	1280	52		4.2	1.32
		F	460	1240	67		5.7	1.27
		F	454	1180	56		5.0	1.26
		F	454	1080	82		8.2	1.15
		F	452	1140	79		7.4	1.23
		F	446	1000	86		9.4	1.13
		F	444	1120	80		7.7	1.28
		F	440	1160	68		6.2	1.36
		F	440	1060	70		7.1	1.24
		F	438	1020	79		8.4	1.21
		F	434	1020	75		7.9	1.25
		F	430	880	76		9.5	1.11
		F	418	920	81		9.7	1.26
		M	480	1280	30		2.4	1.16
		M	478	1280	25		2.0	1.17
		M	476	1260	29		2.4	1.17
		M	474	1260	36		2.9	1.18
		M	468	1320	44		3.4	1.29
		M	462	1280	28		2.2	1.30
		M	460	1280	27		2.2	1.32
		M	458	1180	33		2.9	1.23
		M	454	1180	50		4.4	1.26

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	450	1080	33		3.2	1.19
		M	446	1120	11		1.0	1.26
		M	444	1040	50		5.1	1.19
		M	440	980	29		3.0	1.15
	1.2	F	478	1340	96		7.7	1.23
		F	474	1260	80		6.8	1.18
		F	470	1340	75		5.9	1.29
		F	464	1240	90		7.8	1.24
		F	460	1280	99		8.4	1.32
		F	456	1060	73		7.4	1.12
		F	452	1260	62		5.2	1.36
		F	452	1240	68		5.8	1.34
		F	450	1120	62		5.9	1.23
		F	450	1060	65		6.5	1.16
		F	444	1180	77		7.0	1.35
		F	444	1120	68		6.5	1.28
		F	444	1080	68		6.7	1.23
		F	444	1040	71		7.3	1.19
		F	442	1040	82		8.6	1.20
		F	442	980	56		6.1	1.13
		F	440	1080	99		10.1	1.27
		F	440	1060	91		9.4	1.24
		F	434	1120	70		6.7	1.37
		F	434	980	78		8.6	1.20
		M	474	1440	29		2.1	1.35
		M	472	1380	48		3.6	1.31
		M	472	1300	19		1.5	1.24
		M	470	1320	54		4.3	1.27
		M	462	1160	21		1.8	1.18
		M	456	1120	43		4.0	1.18
		M	454	1320	42		3.3	1.41
		M	446	1040	37		3.7	1.17
		M	432	1140	56		5.2	1.41
		M	424	940	35		3.9	1.23
	1.6-C	F	466	1140	68		6.3	1.13
		F	456	1180	84		7.7	1.24
		F	452	1100	82		8.1	1.19
		F	450	1080	88		8.9	1.19
		F	448	1120	83		8.0	1.25
		F	448	980	60		6.5	1.09
		F	446	1040	75		7.8	1.17
		F	446	1000	70		7.5	1.13
		F	444	1120	90		8.7	1.28
		F	444	980	78		8.8	1.10
		F	440	1040	75		7.8	1.22
		F	436	1020	62		6.5	1.23
		F	434	980	74		8.2	1.20
		F	426	920	84		10.0	1.19
		F	420	920	73		8.6	1.24
		F	416	880	58		7.1	1.22
		M	494	1520	32		2.2	1.26
		M	488	1360	33		2.5	1.17
		M	480	1340	34		2.6	1.21
		M	478	1180	31		2.7	1.08
		M	470	1260	35		2.9	1.21
		M	470	1160	18		1.5	1.14
		M	468	1260	38		3.1	1.23
		M	464	1320	27		2.1	1.32
		M	460	1180	33		2.9	1.21
		M	446	1220	51		4.4	1.38
		M	444	1160	40		3.6	1.33
		M	442	860	41		5.0	1.00
		M	440	1060	51		5.1	1.24
		M	438	1050	39		3.9	1.25
		F	490					
		F	484					
		F	482					
		F	480					
		F	480					
		F	474					

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	470					
		F	462					
		F	460					
		F	460					
		F	460					
		F	460					
		F	460					
		F	458					
		F	458					
		F	454					
		F	454					
		F	454					
		F	454					
		F	454					
		F	452					
		F	452					
		F	450					
		F	448					
		F	448					
		F	448					
		F	446					
		F	446					
		F	440					
		F	440					
		F	440					
		F	438					
		F	438					
		F	436					
		F	434					
		F	434					
		F	432					
		F	432					
		F	432					
		F	430					
		F	428					
		F	426					
		F	426					
		F	424					
		F	420					
		F	420					
		F	414					
		F	412					
		F	412					
		F	408					
		M	516					
		M	508					
		M	504					
		M	494					
		M	488					
		M	488					
		M	484					
		M	482					
		M	476					
		M	474					
		M	474					
		M	472					
		M	470					
		M	466					
		M	460					
		M	456					
		M	454					
		M	454					
		M	454					
		M	452					
		M	452					
		M	452					
		M	440					
		M	438					

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	436					
		M	436					
		M	436					
		M	432					
		M	432					
		M	430					
		M	428					
		M	422					
		M	422					
		M	416					
		M	400					
		M	390					
	93-C	F	468	1440	85		6.3	1.40
		F	450	1240	93		8.1	1.36
		F	450	1140	75		7.0	1.25
		F	450	980	94		10.6	1.08
		F	448	980	84		9.4	1.09
		F	446	1000	72		7.8	1.13
		F	444	880	91		11.5	1.01
		F	440	1100	93		9.2	1.29
		F	440	1060	94		9.7	1.24
		F	436	1060	64		6.4	1.28
		F	434	1020	82		8.7	1.25
		F	432	1100	66		6.4	1.36
		F	428	960	82		9.3	1.22
		F	426	1040	49		4.9	1.35
		F	420	920	90		10.8	1.24
		F	420	920	60		7.0	1.24
		F	400	660	58		9.6	1.03
		M	578	1440	50		3.6	0.75
		M	484	1500	43		3.0	1.32
		M	484	1220	37		3.1	1.08
		M	462	1440	50		3.6	1.46
		M	462	1100	74		7.2	1.12
		M	456	1040	62		6.3	1.10
		M	454	1120	57		5.4	1.20
		M	454	1060	45		4.4	1.13
		M	450	1060	30		2.9	1.16
		M	450	960	33		3.6	1.05
		M	448	940	34		3.8	1.05
		M	430	980	48		5.2	1.23
		M	404	740	35		5.0	1.12
		F	470					
		F	466					
		F	460					
		F	454					
		F	454					
		F	452					
		F	450					
		F	450					
		F	444					
		F	444					
		F	444					
		F	444					
		F	440					
		F	440					
		F	438					
		F	438					
		F	434					
		F	434					
		F	432					
		F	424					
		F	422					
		F	420					
		F	406					
		M	488					
		M	486					
		M	460					
		M	454					
		M	454					

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	452					
		M	452					
		M	440					
		M	438					
		M	426					
		M	414					
		M	392					
	82-C	F	464	1120	79		7.6	1.12
		F	458	1140	64		5.9	1.19
		F	454	1040	74		7.7	1.11
		F	450	1180	69		6.2	1.29
		F	450	1080	82		8.2	1.19
		F	444	880	61		7.4	1.01
		F	442	1080	82		8.2	1.25
		F	442	960	92		10.6	1.11
		F	440	1140	80		7.5	1.34
		F	440	1060	90		9.3	1.24
		F	434	980	73		8.0	1.20
		F	434	940	65		7.4	1.15
		F	432	1000	74		8.0	1.24
		F	432	960	100		11.6	1.19
		F	428	960	75		8.5	1.22
		F	426	920	60		7.0	1.19
		F	414	760	53		7.5	1.07
		F	412	880	57		6.9	1.26
		F	406	640	53		9.0	0.96
		M	560	1580	24		1.5	0.90
		M	480	1280	46		3.7	1.16
		M	446	980	26		2.7	1.10
		M	430	1180	65		5.8	1.48
		M	430	860	52		6.4	1.08
		M	422	920	37		4.2	1.22
		M	422	840	45		5.7	1.12
		M	414	780	22		2.9	1.10
		M	412	860	29		3.5	1.23
		M	406	720	30		4.3	1.08
		M	360	460	12		2.7	0.99
	72-C	F	460	1220	120		10.9	1.25
		F	426	980	93		10.5	1.27
		F	424	960	76		8.6	1.26
		M	480	1380	27		2.0	1.25
		M	452	1140	28		2.5	1.23
		M	428	940	72		8.3	1.20
		M	416	860	40		4.9	1.19
	63-C	F	422	840	72		9.4	1.12
		M	450	1020	42		4.3	1.12
		M	450	1020	26		2.6	1.12
G13	157-C	M	542	2180	110		5.3	1.37
	138-C	F	464	1200	86		7.7	1.20
		F	450	1120	81		7.8	1.23
		F	442	1080	68		6.7	1.25
		F	436	1100	70		6.8	1.33
		M	524	1620	47		3.0	1.13
		M	516	1820	54		3.1	1.32
		M	510	1640	43		2.7	1.24
		M	510	1620	43		2.7	1.22
		M	490	1500	57		4.0	1.27
		M	476	1500	50		3.4	1.39
		M	474	1460	66		4.9	1.37
		M	474	1340	29		2.2	1.26
		M	470	1500	92		6.5	1.44
		M	462	1380	52		3.9	1.40
		M	458	1320	53		4.2	1.37
		M	450	1060	30		2.9	1.16
	124	F	490	1480	100		7.2	1.26
		F	474	1240	72		6.2	1.16
		F	468	1320	85		6.9	1.29
		F	468	1280	75		6.2	1.25
		F	464	1440	93		6.9	1.44
		F	464	1320	95		7.8	1.32

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	464	1220	92		8.2	1.22
		F	460	1400	62		4.6	1.44
		F	456	1200	115		10.6	1.27
		F	446	1240	83		7.2	1.40
		F	430	1080	71		7.0	1.36
		M	510	1860	84		4.7	1.40
		M	490	1480	65		4.6	1.26
		M	468	1500	52		3.6	1.29
		M	478	1520	49		3.3	1.39
		M	478	1320	38		3.0	1.21
		M	478	1320	38		3.0	1.21
		M	476	1526	46		3.1	1.41
		M	474	1400	35		2.6	1.31
		M	474	1320	27		2.1	1.24
		M	472	1380	50		3.8	1.31
		M	466	1320	72		5.8	1.30
		M	464	1400	56		4.2	1.40
		M	464	1300	85		7.0	1.30
		M	462	1520	36		2.4	1.54
		M	462	1320	62		4.9	1.34
		M	460	1460	27		1.9	1.50
		M	452	1060	60		6.0	1.15
		M	450	1100	36		3.4	1.21
		M	440	1120	40		3.7	1.31
	121	F	490	1500	92		6.5	1.27
		F	484	1480	92		6.6	1.31
		F	480	1460	76		5.5	1.32
		F	474	1200	76		6.8	1.13
		F	468	1220	94		8.3	1.19
		F	464	1300	82		6.7	1.30
		F	446	1120	68		6.5	1.26
		M	526	1940	94		5.1	1.33
		M	500	1860	75		4.2	1.49
		M	480	1180	17		1.5	1.07
		M	478	1420	73		5.4	1.32
		M	474	1320	38		3.0	1.24
		M	472	1340	37		2.8	1.27
		M	470	1520	69		4.8	1.46
		M	468	1180	47		4.1	1.15
		M	460	1260	33		2.7	1.29
		M	460	1160	38		3.4	1.19
		M	456	1320	29		2.2	1.39
		M	456	1260	34		2.8	1.33
		M	454	1450	94		6.9	1.56
		M	454	1320	35		2.7	1.41
		M	452	1220	36		3.0	1.32
		M	448	1160	53		4.8	1.29
		M	448	1080	53		5.2	1.20
		M	440	1180	50		4.4	1.39
		M	440	1000	55		5.8	1.17
		M	436	1100	44		4.2	1.33
		M	430	1140	68		6.3	1.43
		M	414	980	27		2.8	1.38
	121-C	F	484	1820	74		4.2	1.61
		F	478	1220	85		7.5	1.12
		F	474	1380	90		7.0	1.30
		F	474	1220	97		8.6	1.15
		F	470	1520	99		7.0	1.46
		F	470	1520	66		4.5	1.46
		F	464	1340	97		7.8	1.34
		F	460	1120	100		9.8	1.15
		F	458	1760	91		5.5	1.83
		F	450	1320	73		5.9	1.45
		F	450	1060	93		9.6	1.16
		F	440	1300	73		7.1	1.29
		F	434	1140	120		11.8	1.39
		F	428	1100	82		8.1	1.40
		M	530	2100	125		6.3	1.41
		M	490	1580	52		3.4	1.34
		M	480	1520	52		3.5	1.37
		M	478	1540	35		2.3	1.41
		M	474	1300	46		3.7	1.22
		M	462	1480	53		3.7	1.50
		M	462	1300	42		3.3	1.32
		M	460	1260	43		3.5	1.29
		M	454	1360	32		2.4	1.45
		M	454	1200	93		8.4	1.28
		M	454	1200	48		4.2	1.28
		M	452	1400	73		5.5	1.52
		M	448	1140	53		4.9	1.27
		M	446	1160	43		3.8	1.31
		M	446	1000	115		13.0	1.13
		M	426	1000	47		4.9	1.29
		F	480					
		F	476					
		F	472					
		F	470					
		F	470					
		F	470					
		F	470					
		F	464					
		F	460					
		F	454					
		F	450					
		F	448					
		F	446					
		F	440					
		F	436					
		F	430					
		F	430					
		F	430					
		F	408					
		M	494					
		M	492					
		M	476					
		M	470					
		M	468					
		M	460					
		M	460					
		M	454					
		M	448					
		M	448					
		M	424					
	115	F	518	1960	155		8.6	1.41
		F	464	1300	96		8.0	1.30
		F	456	1220	84		7.4	1.29
		F	446	1060	74		7.5	1.19
		F	442	1040	78		8.1	1.20
		F	440	1100	67		6.5	1.29
		F	440	1020	80		8.5	1.20
		F	440	1000	93		10.3	1.17
		F	438	1200	75		6.7	1.43
		F	436	1180	87		8.0	1.42
		F	436	920	65		7.6	1.11
		F	430	1060	92		9.5	1.33
		F	428	1060	90		9.3	1.35
		M	488	1540	53		3.6	1.33
		M	480	1560	38		2.5	1.41
		M	464	1200	32		2.7	1.20
		M	458	1320	54		4.3	1.37
		M	456	1100	27		2.5	1.16
		M	456	1080	45		4.3	1.14
		M	454	1260	73		6.1	1.35
		M	454	1100	53		5.1	1.18
		M	450	1340	53		4.1	1.47
		M	450	1120	33		3.0	1.23
		M	440	1040	48		4.8	1.22
		M	438	960	58		6.4	1.14
		M	436	1080	67		6.5	1.30
		M	428	1240	45		3.8	1.58

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	426	1100	54		5.2	1.42
		M	424	940	58		6.6	1.23
	112	F	464	1220	94		8.3	1.22
		F	462	1380	79		6.1	1.40
		F	454	1280	100		8.5	1.37
		F	450	1280	75		6.2	1.40
		F	450	1200	67		5.9	1.32
		F	446	1000	70		7.5	1.13
		F	442	1100	94		9.3	1.27
		F	442	1020	77		8.2	1.18
		F	440	1120	96		9.4	1.31
		F	440	1080	52		5.1	1.27
		F	436	940	83		9.7	1.13
		F	452	1020	77		8.2	1.10
		F	430	1120	71		6.8	1.41
		F	420	860	75		9.6	1.16
		M	490	1560	57		3.8	1.33
		M	482	1320	24		1.9	1.18
		M	478	1220	17		1.4	1.12
		M	468	1340	52		4.0	1.31
		M	460	1220	48		4.1	1.25
		M	460	1000	36		3.7	1.03
		M	456	1400	45		3.3	1.48
		M	450	1460	36		2.5	1.60
		M	442	1140	43		3.9	1.32
		M	442	1000	46		4.8	1.16
		M	432	1000	46		4.8	1.24
		M	432	980	38		4.0	1.22
		M	430	920	53		6.1	1.16
		M	428	940	56		6.3	1.20
		M	426	980	33		3.5	1.27
		M	412	880	52		6.3	1.26
	106-C	F	484	1500	98		7.0	1.32
		F	478	1460	89		6.5	1.34
		F	476	1500	92		6.5	1.39
		F	472	1400	115		8.9	1.33
		F	470	1280	85		7.1	1.23
		F	464	1480	63		4.4	1.48
		F	464	1200	83		7.4	1.20
		F	462	1400	93		7.1	1.42
		F	460	1240	95		8.3	1.27
		F	456	1060	92		9.5	1.12
		F	454	1160	100		9.4	1.24
		F	454	1020	80		8.5	1.09
		F	452	1120	82		7.9	1.21
		F	442	1080	110		11.3	1.25
		F	440	1100	92		9.1	1.29
		F	440	1100	84		8.3	1.29
		F	432	1000	67		7.2	1.24
		F	430	920	63		7.4	1.16
		F	430	860	75		9.6	1.08
		M	486	1560	30		2.0	1.36
		M	470	1360	46		3.5	1.31
		M	460	1320	63		5.0	1.36
		M	456	1100	36		3.4	1.16
		M	446	1200	40		3.4	1.35
		M	434	1160	70		6.4	1.42
		M	434	1120	23		2.1	1.37
		M	432	980	19		2.0	1.22
		M	414	980	72		7.9	1.38
		M	410	860	40		4.9	1.25
		M	410	800	43		5.7	1.16
		F	488					
		F	482					
		F	482					
		F	480					
		F	470					
		F	468					
		F	468					
		F	464					

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	462					
		F	462					
		F	462					
		F	462					
		F	460					
		F	460					
		F	460					
		F	458					
		F	458					
		F	454					
		F	452					
		F	450					
		F	450					
		F	450					
		F	446					
		F	444					
		F	442					
		F	442					
		F	442					
		F	440					
		F	440					
		F	438					
		F	434					
		F	432					
		F	430					
		F	428					
		F	426					
		F	424					
		F	422					
		F	420					
		M	512					
		M	506					
		M	504					
		M	500					
		M	494					
		M	486					
		M	476					
		M	470					
		M	464					
		M	452					
		M	452					
		M	436					
		M	432					
		M	426					
		M	408					
		M	400					
		M	398					
	93-C	F	482	1520	90		6.3	1.36
		F	460	1120	86		8.3	1.15
		F	460	1120	54		5.1	1.15
		F	456	1240	110		9.7	1.31
		F	456	1220	78		6.8	1.29
		F	454	1080	83		8.3	1.15
		F	446	1170	74		6.8	1.32
		F	442	1040	82		8.6	1.20
		F	440	980	73		8.0	1.15
		F	436	920	80		9.5	1.11
		F	432	1040	82		8.6	1.29
		F	430	940	70		8.0	1.18
		F	430	920	73		8.6	1.16
		F	430	900	92		11.4	1.13
		F	430	900	73		8.8	1.13
		F	428	780	63		8.8	0.99
		F	426	1000	74		8.0	1.29
		F	410	800	83		11.6	1.16
		F	402	880	70		8.6	1.35
		M	472	1480	58		4.1	1.41
		M	468	1580	28		1.8	1.54
		M	460	1140	53		4.9	1.17
		M	450	1080	47		4.5	1.19

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	444	1220	38		3.2	1.39
		M	442	1020	21		2.1	1.18
		M	438	1060	46		4.5	1.26
		M	430	1100	70		6.8	1.38
		M	404	920	33		3.7	1.40
		M	400	860	39		4.8	1.34
		M	394	800	48		6.4	1.31
		F	488					
		F	466					
		F	460					
		F	460					
		F	458					
		F	456					
		F	454					
		F	452					
		F	452					
		F	452					
		F	448					
		F	448					
		F	446					
		F	446					
		F	444					
		F	444					
		F	444					
		F	444					
		F	444					
		F	440					
		F	440					
		F	440					
		F	438					
		F	436					
		F	436					
		F	434					
		F	434					
		F	434					
		F	432					
		F	430					
		F	428					
		F	422					
		F	420					
		F	420					
		F	420					
		F	416					
		F	416					
		F	412					
		F	412					
		M	490					
		M	486					
		M	480					
		M	480					
		M	476					
		M	464					
		M	464					
		M	460					
		M	446					
		M	444					
		M	442					
		M	440					
		M	440					
		M	438					
		M	438					
		M	424					
		M	422					
		M	420					
		M	414					
		M	414					
		M	402					
		M	396					
		M	380					
	52-C	F	460	1260	88		7.5	1.29
		F	458	1280	83		6.9	1.33
		F	456	1100	77		7.5	1.16
		F	454	1260	88		7.5	1.35
		F	452	1240	92		8.0	1.34
		F	450	1160	96		9.0	1.27
		F	450	1120	73		7.0	1.23
		F	450	1120	64		6.1	1.23
		F	448	1120	82		7.9	1.25
		F	430	1020	74		7.8	1.28
		F	426	860	58		7.2	1.11
		F	424	1000	77		8.3	1.31
		F	424	980	68		7.5	1.29
		F	420	920	99		12.1	1.24
		F	402	780	86		12.4	1.20
		M	490	1640	56		3.5	1.39
		M	476	1500	62		4.3	1.39
		M	470	1120	36		3.3	1.08
		M	468	1380	52		3.9	1.35
		M	458	1280	52		4.2	1.33
		M	452	1200	54		4.7	1.30
		M	450	1080	58		5.7	1.19
		M	448	1060	42		4.1	1.18
		M	430	1000	32		3.3	1.26
		M	428	1000	46		4.8	1.28
		M	428	980	45		4.8	1.25
		M	422	780	64		8.9	1.04
		M	412	800	49		6.5	1.14
		M	404	780	53		7.3	1.18
		M	400	720	41		6.0	1.12
		F	500					
		F	482					
		F	448					
		F	442					
		F	424					
		F	416					
		F	408					
		M	444					
		M	440					
		M	438					
		M	426					
		M	424					
		M	416					
		M	412					
		M	410					
		M	410					
		M	390					
	72-C	F	452	1020	78		8.3	1.10
		F	442	940	84		9.8	1.09
		F	440	1080	43		4.1	1.27
		F	440	1040	32		3.2	1.22
		F	436	1160	68		6.2	1.40
		F	426	980	105		12.0	1.27
		F	404	800	57		7.7	1.21
		M	456	1440	65		4.7	1.52
		M	454	1320	90		7.3	1.41
		M	430	1020	34		3.4	1.28
		M	430	1000	47		4.9	1.26
		M	392	860	27		3.2	1.43
	63-C	F	460	1240	85		7.4	1.27
		F	446	1100	76		7.4	1.24
		F	444	960	66		7.4	1.10
		F	428	920	98		11.9	1.17
		M	506	1560	26		1.7	1.20
		M	460	1240	31		2.6	1.27
		M	458	1220	12		1.0	1.27
		M	412	900	34		3.9	1.29
		M	404	880	45		5.4	1.33
	55-C	F	450	1220	105		9.4	1.34
		M	452	1260	23		1.9	1.36
		M	452	1240	56		4.7	1.34

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	48-C	F	440	1000	92		10.1	1.17			M	470	1560	70		4.7	1.50
	L-L	F	490	1580	90		6.0	1.34			M	470	1520	49		3.3	1.46
		F	480	1420	73		5.4	1.24			M	470	1280	45		3.6	1.23
		F	484	1160	73		6.7	1.02			M	468	1300	33		2.6	1.27
		F	474	1500	40		2.7	1.41			M	466	1460	60		4.3	1.44
		F	474	1440	125		9.5	1.35			M	464	1220	43		3.7	1.22
		F	470	1380	93		7.2	1.33			M	462	1200	60		5.3	1.22
		F	468	1440	62		4.5	1.40			M	462	1160	69		6.3	1.18
		F	468	1280	66		5.4	1.25			M	460	1440	40		2.9	1.48
		F	466	1460	72		5.2	1.44			M	460	1320	23		1.8	1.36
		F	466	1240	72		6.2	1.23			M	459	1260	78		6.6	1.30
		F	460	1280	82		6.8	1.32			M	456	1240	25		2.1	1.31
		F	460	1220	56		4.8	1.25			M	456	1140	42		3.8	1.20
		F	460	1560	64		4.3	1.60			M	454	1120	15		1.4	1.20
		F	460	1100	90		8.9	1.13			M	452	1120	28		2.6	1.21
		F	460	1100	62		6.0	1.13			M	450	1280	38		3.1	1.40
		F	456	1220	66		5.7	1.27			M	450	1080	40		3.8	1.19
		F	456	1200	81		7.2	1.27			M	448	1220	43		3.7	1.36
		F	456	1160	96		9.0	1.22			M	448	1200	64		5.6	1.33
		F	454	1180	66		5.9	1.26			M	446	1220	57		4.9	1.38
		F	452	1200	73		6.5	1.30			M	446	1080	37		3.5	1.22
		F	452	1240	68		5.8	1.34			M	446	1060	62		6.2	1.19
		F	450	1220	84		7.4	1.34			M	446	960	52		5.7	1.08
		F	450	1200	70		6.2	1.32			M	442	1080	34		3.3	1.25
		F	450	1160	82		7.6	1.27			M	440	1100	27		2.5	1.29
		F	450	1140	72		6.7	1.25			M	436	1040	33		3.3	1.25
		F	450	1140	58		5.4	1.25			M	434	1000	54		5.7	1.22
		F	450	1100	82		8.1	1.21			M	432	1080	39		3.7	1.34
		F	446	1280	80		6.7	1.44			M	430	1000	47		4.9	1.26
		F	446	1100	74		7.2	1.24			M	428	900	63		7.5	1.15
		F	444	1100	56		5.4	1.26			M	428	760	36		5.0	0.97
		F	442	1020	78		8.3	1.18			M	426	1060	62		6.2	1.37
		F	442	880	59		7.2	1.02			M	408	1000	48		5.0	1.47
		F	440	1140	86		8.2	1.34			M	408	820	32		4.1	1.21
		F	440	980	64		7.0	1.15			M	406	820	36		4.6	1.23
		F	436	1160	77		7.1	1.40	G14	157-C	M	518	1920	93		5.1	1.38
		F	436	880	76		9.5	1.06		138-C	F	412	1260	95		8.2	1.80
		F	434	1000	76		8.2	1.22			M	488	1660	100		6.4	1.43
		F	434	1000	68		7.3	1.22			M	486	1520	76		5.3	1.32
		F	434	900	83		10.2	1.10			M	482	1640	46		2.9	1.46
		F	432	980	64		7.0	1.22			M	476	1540	65		4.4	1.43
		F	430	1180	64		5.7	1.48			M	418	1920	60		3.2	2.63
		F	430	1020	72		7.6	1.28		124	F	518	1680	81		5.1	1.21
		F	426	960	53		5.8	1.22			F	464	1240	82		7.1	1.24
		F	420	1020	74		7.8	1.38			F	458	1220	71		6.2	1.27
		F	404	960	92		10.6	1.46			F	456	1280	82		6.8	1.35
		M	530	2000	35		1.8	1.34			F	454	1320	85		6.9	1.41
		M	526	1620	33		2.1	1.11			M	508	1720	85		5.2	1.31
		M	514	1720	65		3.9	1.27			M	496	1580	63		4.2	1.29
		M	504	1680	55		3.4	1.31			M	494	1620	23		1.4	1.34
		M	502	1420	22		1.6	1.12			M	490	1680	73		4.5	1.43
		M	500	1620	38		2.4	1.30			M	490	1380	72		5.5	1.17
		M	500	1560	67		4.5	1.25			M	484	1480	40		2.8	1.31
		M	500	1500	50		3.4	1.20			M	482	1380	35		2.6	1.23
		M	500	1440	36		2.6	1.15			M	482	1300	49		3.9	1.16
		M	496	1520	48		3.3	1.25			M	478	1280	25		2.0	1.17
		M	492	1320	37		2.9	1.11			M	476	1520	85		5.9	1.41
		M	492	1300	36		2.8	1.09			M	476	1420	63		4.6	1.32
		M	490	1560	28		1.8	1.33			M	476	1280	42		3.4	1.19
		M	490	1540	33		2.2	1.31			M	472	1380	24		1.8	1.31
		M	490	1500	38		2.6	1.27			M	472	1360	62		4.8	1.29
		M	488	1460	36		2.5	1.26			M	470	1520	43		2.9	1.46
		M	488	1260	60		5.0	1.08			M	470	1280	54		4.4	1.23
		M	484	1540	53		3.6	1.39			M	464	1420	34		2.5	1.42
		M	482	1600	40		2.6	1.43			M	464	1360	68		5.3	1.36
		M	482	1580	53		3.5	1.41			M	464	1240	27		2.2	1.24
		M	482	1480	36		2.5	1.32			M	458	1260	57		4.7	1.31
		M	482	1240	25		2.1	1.11			M	452	1140				1.23
		M	474	1360	40		3.0	1.28			M	450	1280	84		7.0	1.40
		M	474	1220	62		5.4	1.15			M	444	1120	43		4.0	1.28

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	432	1060	36		3.5	1.31
	121	F	470	1360	96		7.6	1.31
		F	470	1260	75		6.3	1.21
		F	464	1180	95		8.8	1.18
		F	462	1320	95		7.8	1.34
		F	462	1280	91		7.7	1.30
		F	462	1160	95		8.9	1.18
		M	508	1820	97		5.6	1.39
		M	500	1680	64		4.0	1.34
		M	500	1620	46		2.9	1.30
		M	500	1580	60		3.9	1.26
		M	496	1380	30		2.2	1.12
		M	496	1680	53		3.3	1.38
		M	496	1420	42		3.0	1.16
		M	494	1560	54		3.6	1.29
		M	492	1720	52		3.1	1.44
		M	492	1560	57		3.8	1.31
		M	492	1520	84		5.8	1.28
		M	486	1420	74		5.5	1.22
		M	486	1380	52		3.9	1.20
		M	480	1320	77		6.2	1.19
		M	474	1420	81		6.0	1.33
		M	472	1360	57		4.4	1.29
		M	468	1220	64		5.5	1.19
		M	462	1160	27		2.4	1.18
		M	450	1220	53		4.5	1.34
		M	450	1060	32		3.1	1.16
		M	446	1060	46		4.5	1.19
		M	436	1120	69		6.6	1.35
		M	430	980	63		6.9	1.23
		M	408	1820	59		3.4	2.68
	121-C	F	522	1720	115		7.2	1.21
		F	488	1420	76		5.7	1.22
		F	480	1440	74		5.4	1.30
		F	464	1280	94		7.9	1.28
		F	464	1240	73		6.3	1.24
		F	460	1340	105		8.5	1.38
		F	460	1240	80		6.9	1.27
		F	460	1020	43		4.4	1.05
		F	452	1340	125		10.3	1.45
		F	440	1120	79		7.6	1.31
		F	434	1040	77		8.0	1.27
		M	558	2320	62		2.7	1.34
		M	508	1780	70		4.1	1.36
		M	504	1520	72		5.0	1.19
		M	500	1640	60		3.8	1.31
		M	500	1620	72		4.7	1.30
		M	490	1540	91		6.3	1.31
		M	490	1240	17		1.4	1.05
		M	488	1480	65		4.6	1.27
		M	484	1540	48		3.2	1.36
		M	480	1520	52		3.5	1.37
		M	470	1280	84		7.0	1.23
		M	452	1160	73		6.7	1.26
		M	444	1240	78		6.7	1.42
		M	444	1120	32		2.9	1.28
		M	440	1260	56		4.7	1.48
		M	436	1640	41		2.6	1.95
		M	430	1120	74		7.1	1.35
	115	F	482	1340	97		7.8	1.20
		F	482	1080	97		9.9	0.96
		F	478	1340	95		7.6	1.23
		F	474	1440	110		8.3	1.35
		F	472	1320	96		7.8	1.26
		F	464	1260	61		5.1	1.26
		F	460	1420	88		6.6	1.46
		F	460	1320	77		6.2	1.36
		F	446	1260	99		8.5	1.42
		F	446	1180	105		9.8	1.33
		F	444	1180	34		3.0	1.35

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	440	1180	88		8.1	1.39
		F	424	1080	85		8.5	1.42
		M	506	1640	30		1.9	1.27
		M	494	1540	41		2.7	1.28
		M	490	1520	43		2.9	1.29
		M	484	1380	64		4.9	1.22
		M	482	1420	36		2.6	1.27
		M	478	1380	76		5.8	1.26
		M	472	1360	63		4.9	1.29
		M	472	1320	66		5.3	1.26
		M	470	1420	47		3.4	1.37
		M	470	1320	64		5.1	1.27
		M	464	1360	60		4.6	1.36
		M	460	1260	31		2.5	1.29
		M	454	1320	72		5.8	1.41
		M	454	1060	52		5.2	1.13
		M	436	1080	65		6.4	1.30
		M	430	980	42		4.5	1.23
		M	426	1020	91		9.8	1.32
	112	F	474	1440	85		6.3	1.35
		F	472	1380	87		6.7	1.31
		F	464	1220	99		8.8	1.22
		F	464	1160	77		7.1	1.16
		F	460	1280	135		11.8	1.32
		F	454	1100	96		9.6	1.18
		F	450	1120	84		8.1	1.23
		F	440	1160	86		8.0	1.36
		F	438	1080	100		10.2	1.29
		M	520	1880	73		4.0	1.34
		M	494	1720	36		2.1	1.43
		M	492	1360	75		5.8	1.14
		M	492	1220	49		4.2	1.02
		M	490	1660	58		3.6	1.41
		M	490	1540	23		1.5	1.31
		M	490	1440	54		3.9	1.22
		M	482	1280	47		3.8	1.14
		M	480	1380	55		4.2	1.25
		M	480	1120	78		7.5	1.01
		M	476	1340	75		5.9	1.24
		M	476	1220	53		4.5	1.13
		M	470	1440	46		3.3	1.39
		M	470	1380	72		5.5	1.33
		M	468	1320	51		4.0	1.29
		M	462	1080	42		4.0	1.10
		M	460	1080	43		4.1	1.11
		M	454	1720	30		1.8	1.84
		M	434	2080	130		6.7	2.54
		M	430	1040	62		6.3	1.31
		M	416	1740	22		1.3	2.42
	106-C	F	492	1440	100		7.5	1.21
		F	490	1480	71		5.0	1.26
		F	480	1440	91		6.7	1.30
		F	480	1340	82		6.5	1.21
		F	476	1480	115		8.4	1.37
		F	460	1160	93		8.7	1.19
		F	456	1220	90		8.0	1.29
		F	456	1120	96		9.4	1.18
		F	452	1160	130		12.6	1.26
		F	452	1060	80		8.2	1.15
		F	450	1260	74		6.2	1.38
		F	450	1060	86		8.8	1.16
		F	444	1080	86		8.7	1.23
		F	442	1080	98		10.0	1.25
		F	436	1080	85		8.5	1.30
		F	430	940	105		12.6	1.18
		M	476	1480	43		3.0	1.37
		M	476	1360	38		2.9	1.26
		M	472	1120	48		4.5	1.07
		M	470	1120	42		3.9	1.08
		M	466	1040	28		2.8	1.03

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	462	1120	34		3.1	1.14
		M	460	1060	39		3.6	1.09
		M	452	1220	23		1.9	1.32
		M	452	1140	90		8.6	1.23
		M	450	1160	38		3.4	1.27
		M	444	840	52		6.6	0.96
		M	432	1040	33		3.3	1.29
		M	426	980	57		6.2	1.25
		M	424	960	33		3.6	1.26
		F	462					
		F	454					
		F	454					
		F	452					
		F	444					
		F	444					
		F	443					
		F	442					
		F	440					
		F	440					
		F	440					
		F	440					
		F	436					
		F	432					
		F	432					
		F	430					
		F	428					
		F	426					
		M	506					
		M	504					
		M	490					
		M	464					
		M	462					
		M	452					
		M	450					
		M	430					
		M	416					
		M	410					
		M	400					
	93-C	F	484	1260	92		7.9	1.11
		F	480	1260	96		8.2	1.14
		F	480	920	67		7.9	0.83
		F	470	1240	92		8.0	1.19
		F	464	1220	125		11.4	1.22
		F	464	1140	86		8.2	1.14
		F	456	1120	73		7.0	1.18
		F	456	1060	78		7.9	1.12
		F	452	1260	82		7.0	1.36
		F	448	960	52		5.7	1.07
		F	444	1020	85		9.1	1.17
		F	444	940	71		8.2	1.07
		F	440	1120	85		8.2	1.31
		F	440	980	73		8.0	1.15
		F	432	1040	72		7.4	1.29
		F	432	840	69		8.9	1.04
		F	416	820	99		13.7	1.14
		F	416	620	43		5.5	1.15
		M	492	1420	48		3.5	1.19
		M	486	1460	27		1.9	1.27
		M	464	1320	64		5.1	1.16
		M	474	1260	58		4.8	1.18
		M	466	1080	34		3.3	1.11
		M	454	1240	42		3.5	1.33
		M	450	1120	44		4.1	1.23
		M	446	1040	57		5.8	1.17
		M	442	1160	53		4.8	1.34
		M	442	980	30		3.2	1.13
		M	440	940	30		3.3	1.10
		M	416	840	36		4.5	1.22
		F	464					
		F	444					

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	436					
		F	436					
		F	434					
		F	416					
		M	436					
		M	434					
		M	426					
		M	418					
	82-C	F	462	1120	76		7.3	1.14
		F	454	1120	76		7.3	1.20
		F	452	1020	66		6.9	1.10
		F	446	1080	57		5.6	1.22
		F	446	980	71		7.8	1.10
		F	444	1020	100		10.9	1.17
		F	444	980	78		8.6	1.12
		F	442	1040	55		5.6	1.20
		F	442	980	82		9.1	1.13
		F	440	980	88		9.9	1.15
		F	440	920	43		4.9	1.08
		F	436	860	73		9.3	1.04
		F	434	1080	105		10.8	1.32
		F	432	920	86		10.3	1.14
		F	426	960	73		8.2	1.24
		F	426	680	58		9.3	0.88
		F	424	780	61		8.5	1.02
		F	412	840	94		12.6	1.20
		F	412	680	52		8.3	0.97
		F	412	640	36		6.0	0.92
		F	382	780	58		8.0	1.40
		F	380	660	46		7.5	1.20
		M	490	1260	33		2.7	1.07
		M	480	1380	26		1.9	1.25
		M	470	1260	26		2.1	1.21
		M	446	1140	54		5.0	1.28
		M	446	1060	24		2.3	1.19
		M	434	980	53		5.7	1.20
		M	434	920	30		3.4	1.13
		M	430	880	48		5.8	1.11
		F	410					
		F	410					
		M	400					
		M	356					
	72-C	F	454	1060	84		8.6	1.13
		F	434	980	77		8.5	1.20
		F	428	880	66		8.1	1.12
		F	416	740	57		8.3	1.03
		F	410	680	47		7.4	0.99
		M	396	660	35		5.6	1.06
		M	378	680	36		5.6	1.26
	63-C	F	444	1020	98		10.6	1.17
G15	124	F	434	1000	79		8.6	1.22
		M	480	1340	59		4.6	1.21
		M	470	1280	73		6.0	1.23
		M	464	1200	43		3.7	1.20
		M	446	1270	67		5.6	1.43
	121	F	472	1320	98		8.0	1.26
		F	460	1380	84		6.5	1.42
		F	460	1360	84		6.6	1.40
		F	456	1380	81		6.2	1.46
		F	456	1160	94		8.8	1.22
		M	672	1360	58		4.5	0.45
		M	520	1920	73		4.0	1.37
		M	518	2040	38		1.9	1.47
		M	512	1860	46		2.5	1.39
		M	494	1660	51		3.2	1.38
		M	484	1440	84		6.2	1.27
		M	478	1480	66		4.7	1.36
		M	478	1300	30		2.4	1.19
		M	476	1420	24		1.7	1.32
		M	466	1420	68		5.0	1.40

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	464	1480	52		3.6	1.48			F	422	980	80		8.9	1.30
		M	464	1320	96		7.8	1.32			F	414	820	62		8.2	1.16
		M	464	1320	72		5.8	1.32			M	440	1020	49		5.0	1.20
		M	464	1260	29		2.4	1.26			M	410	1080	61		6.0	1.57
		M	462	1280	50		4.1	1.30			M	402	920	58		6.7	1.42
		M	452	1280	62		5.1	1.39		82-C	M	450	1080	55		5.4	1.19
		M	448	1180	75		6.8	1.31		72-C	M	400	680	52		8.3	1.06
		M	446	1220	68		5.9	1.38	G16	138-C	M	502	1840	75		4.2	1.45
		M	442	1150	44		3.9	1.34			M	482	1460	78		5.6	1.30
		M	430	1160	58		5.3	1.48			M	480	1480	92		6.6	1.34
		M	430	1020	56		5.8	1.28			M	470	1380	47		3.5	1.33
	121-C	M	474	1280	34		2.7	1.20		124	F	476	1380	74		5.7	1.28
	115	F	486	1480	135		10.2	1.27			F	464	1480	125		9.2	1.48
		F	464	1500	110		7.9	1.32			F	464	1320	110		9.1	1.32
		F	476	1400	96		7.4	1.30			F	462	1280	100		8.5	1.30
		F	474	1360	82		6.4	1.28			F	460	1180	97		9.0	1.21
		F	466	1240	96		8.4	1.27			F	440	1060	88		9.1	1.24
		F	456	1240	97		8.5	1.29			M	562	1180	83		7.6	0.66
		F	456	1140	100		9.6	1.25			M	552	2340	120		5.4	1.39
		F	456	1140	91		8.7	1.25			M	532	1880	135		7.7	1.25
		F	436	1100	97		9.7	1.33			M	510	1560	56		3.7	1.18
		M	516	1640	115		6.7	1.34			M	502	1620	58		3.7	1.28
		M	480	1660	32		2.0	1.50			M	500	1640	56		3.5	1.31
		M	480	1480	68		4.8	1.34			M	500	1620	58		3.7	1.30
		M	472	1260	44		3.6	1.20			M	500	1580	80		5.3	1.26
		M	462	1300	40		3.2	1.32			M	500	1520	47		3.2	1.22
		M	460	1160	97		9.1	1.19			M	496	1680	79		4.9	1.38
		M	456	1300	62		5.0	1.37			M	496	1520	17		1.1	1.25
		M	454	1100	34		3.2	1.18			M	482	1460	76		5.5	1.30
		M	430	1060	64		6.4	1.33			M	480	1560	74		5.0	1.41
		M	420	1060	60		6.0	1.37			M	476	1420	83		6.2	1.32
		M	416	740	18		2.5	1.03			M	470	1420	86		6.4	1.37
		M	400	1000	61		4.0	2.39			M	470	1280	72		6.0	1.23
	112	F	510	1520	100		7.0	1.15			M	468	1240	62		5.3	1.21
		F	470	1120	105		10.3	1.08			M	460	1360	50		3.8	1.40
		F	464	1300	93		7.7	1.30			M	456	1820	125		7.4	1.92
		F	464	1260	97		8.3	1.26			M	456	1180	43		3.8	1.24
		F	462	1440	125		9.5	1.46			M	452	1240	56		4.7	1.34
		F	454	1130	105		10.2	1.21			M	450	1260	63		5.3	1.38
		F	450	1100	83		8.2	1.21			M	442	1060	58		5.8	1.23
		F	445	1020	47		4.8	1.16			M	438	1020	76		8.1	1.21
		F	444	1020	84		9.0	1.17		121	F	494	1440	82		6.0	1.19
		F	440	1140	100		9.6	1.34			F	488	1540	96		6.6	1.33
		F	408	860	115		15.4	1.27			F	488	1440	86		6.4	1.24
		M	510	1700	43		2.6	1.28			F	486	1560	145		10.2	1.36
		M	506	1920	62		3.3	1.48			F	478	1340	98		7.9	1.23
		M	500	1560	105		7.2	1.25			F	476	1340	97		7.8	1.24
		M	480	1600	38		2.4	1.45			F	476	1340	92		7.4	1.24
		M	480	1580	90		6.0	1.43			F	476	1180	92		8.5	1.09
		M	480	1420	89		6.7	1.28			F	474	1280	105		8.9	1.20
		M	474	1400	27		2.0	1.31			F	460	1320	97		7.9	1.36
		M	464	1260	53		4.4	1.26			F	456	1180	101		9.4	1.24
		M	460	1300	98		8.2	1.34			F	456	1080	45		4.3	1.14
		M	456	1320	62		4.9	1.39			F	450	1280	86		7.2	1.40
		M	454	1350	115		9.3	1.44			F	442	1080	115		11.9	1.25
		M	454	1240	74		6.3	1.33			F	440	1240	99		8.7	1.46
		M	448	900	27		3.1	1.00			M	524	1780	74		4.3	1.24
		M	446	1000	41		4.3	1.13			M	500	1660	82		5.2	1.33
		M	434	960	89		10.2	1.17			M	500	1620	26		1.6	1.30
	106-C	F	476	1220	105		9.4	1.13			M	496	1540	32		2.1	1.26
		F	474	1200	90		8.1	1.13			M	490	1420	65		4.8	1.21
		M	504	1660	27		1.6	1.31			M	482	1460	74		5.3	1.30
		M	480	1380	83		6.4	1.25			M	482	1460	39		2.7	1.30
		M	450	1180	87		8.0	1.29			M	480	1540	59		4.0	1.39
		M	450	1160	58		5.3	1.27			M	480	1360	24		1.8	1.23
		M	446	980	20		2.1	1.10			M	474	1460	52		3.7	1.37
		M	440	1060	57		5.7	1.24			M	460	1240	45		3.8	1.27
	93-C	F	478	1380	105		8.2	1.26			M	460	1140	60		5.6	1.17
		F	474	1260	79		6.7	1.18			M	454	1180	56		5.0	1.26
		F	450	1180	87		8.0	1.29			M	440	1140	73		6.8	1.34

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	440	1080	83		8.3	1.27
	121-C	F	478	1450	71		5.1	1.33
		F	460	1240	110		9.7	1.27
		F	460	1080	82		8.2	1.11
		F	452	1100	96		9.0	1.26
		F	446	1140	87		8.3	1.28
		F	440	980	87		9.7	1.15
		M	516	1620	72		4.7	1.18
		M	500	1460	52		3.7	1.17
		M	496	1620	46		2.9	1.33
		M	496	1360	54		4.1	1.11
		M	492	1520	69		4.8	1.28
		M	484	1640	57		3.6	1.45
		M	476	1740	87		5.3	1.61
		M	458	1140	95		9.1	1.19
	115	F	496	1440	115		8.7	1.18
		F	486	1460	83		6.0	1.27
		F	482	1340	65		5.1	1.20
		F	480	1480	110		8.0	1.34
		F	470	1320	87		7.1	1.27
		F	468	1340	100		8.1	1.31
		F	460	1220	82		7.2	1.25
		F	460	1160	120		11.5	1.19
		F	454	1240	100		8.8	1.33
		F	454	1160	110		10.5	1.24
		F	454	1160	93		8.7	1.24
		F	452	1340	93		7.5	1.45
		F	450	1140	93		8.9	1.25
		F	448	1080	80		8.0	1.20
		F	416	940	69		7.9	1.31
		M	526	2220	120		5.7	1.53
		M	504	1540	22		1.4	1.20
		M	496	1540	49		3.3	1.26
		M	494	1660	66		4.1	1.38
		M	494	1620	66		4.2	1.34
		M	486	1580	42		2.7	1.38
		M	480	1440	115		8.7	1.30
		M	478	1280	69		5.7	1.17
		M	476	1340	38		2.9	1.24
		M	470	1360	32		2.4	1.31
		M	470	1320	76		6.1	1.27
		M	456	1180	33		2.9	1.24
		M	450	1260	76		6.4	1.38
		M	450	1020	55		5.7	1.12
		M	438	1080	49		4.8	1.29
	112	F	500	1620	115		7.6	1.30
		F	496	1520	135		9.7	1.25
		F	494	1460	97		7.1	1.21
		F	492	1340	82		6.5	1.13
		F	482	1360	120		9.7	1.21
		F	470	1420	93		7.0	1.37
		F	470	1380	105		8.2	1.33
		F	466	1180	120		11.3	1.17
		F	460	1220	97		8.6	1.25
		F	456	1040	100		10.6	1.10
		F	454	1120	81		7.8	1.20
		F	452	1120	87		8.4	1.21
		F	450	1340	110		8.9	1.47
		F	450	1120	82		7.9	1.23
		F	450	1080	97		9.9	1.19
		F	450	1080	85		8.5	1.19
		F	448	1140	91		8.7	1.27
		F	446	1140	87		8.3	1.28
		F	444	1060	98		10.2	1.21
		F	436	1110	94		9.3	1.34
		F	416	960	70		7.9	1.33
		M	500	1760	53		3.1	1.41
		M	500	1340	87		6.9	1.07
		M	494	1660	120		7.8	1.38
		M	486	1560	84		5.7	1.36
		M	456	1260	70		5.9	1.33
		M	454	1220	40		3.4	1.30
		M	448	1180	75		6.8	1.31
		M	430	940	24		2.6	1.18
		M	418	880	53		6.4	1.20
	106-C	F	474	1140	96		9.2	1.07
		F	474	1120	72		6.9	1.05
		F	454	1180	84		7.7	1.26
		F	450	1020	85		9.1	1.12
		F	448	1160	100		9.4	1.29
		F	446	1140	86		8.2	1.28
		F	440	1140	94		9.0	1.34
		F	434	1080	88		8.9	1.32
		F	430	940	66		7.6	1.18
		M	512	1980	91		4.8	1.48
		M	500	1620	44		2.8	1.30
		M	486	1440	77		5.6	1.25
		M	468	1180	145		14.0	1.15
		M	464	1140	48		4.4	1.14
		M	460	1060	46		4.5	1.09
		M	456	1120	65		6.2	1.18
		M	454	1120	59		5.6	1.20
		M	454	1040	23		2.3	1.11
		M	450	1100	54		5.2	1.21
		M	440	1040	71		7.3	1.22
		M	432	1020	34		3.4	1.27
		M	418	940	64		7.3	1.29
		M	408	860	57		7.1	1.27
	93-C	F	464	1280	155		13.8	1.28
		F	452	1140	95		9.1	1.23
		F	446	1140	86		8.2	1.28
		F	446	940	54		6.1	1.06
		F	444	1060	68		6.9	1.21
		F	440	920	84		10.0	1.08
		F	438	760	67		9.7	0.90
		F	436	880	82		10.3	1.06
		F	432	760	53		7.5	0.94
		F	426	840	57		7.3	1.09
		M	438	960	48		5.3	1.14
		M	430	1000	63		6.7	1.26
		M	414	980	56		6.1	1.38
	82-C	F	468	1220	88		7.8	1.19
		F	464	1160	96		9.0	1.16
		F	460	1080	92		9.3	1.11
		F	444	1020	84		9.0	1.17
		F	432	880	82		10.3	1.09
		M	442	1040	52		5.3	1.20
		M	408	780	85		12.2	1.15
	63-C	F	460	1080	125		13.1	1.11
G17	157-C	M	548	2340	59		2.6	1.42
		M	534	2180	53		2.5	1.43
		M	504	1680	65		4.0	1.31
	138-C	F	490	1560	110		7.6	1.33
		F	484	1460	105		7.7	1.29
		F	480	1220	81		7.1	1.10
		F	464	1240	91		7.9	1.24
		M	530	2020	85		4.4	1.36
		M	530	1920	40		2.1	1.29
		M	526	2040	69		3.5	1.40
		M	524	1980	72		3.8	1.38
		M	524	1780	69		4.0	1.24
		M	510	1740	86		5.2	1.31
		M	500	1580	40		2.6	1.26
		M	500	1540	72		4.9	1.23
		M	494	1520	47		3.2	1.26
		M	470	1360	65		5.0	1.31
		M	464	1320	59		4.7	1.32
		M	464	1180	46		4.1	1.18
		M	444	980	54		5.8	1.12
	124	F	486	1520	92		6.4	1.32

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	484	940	87		10.2	0.83			M	470	1420	57		4.2	1.37
		F	480	1520	97		6.8	1.37			M	464	1280	54		4.4	1.28
		F	468	1360	71		5.5	1.33			M	456	1200	38		3.3	1.27
		F	460	1280	97		8.2	1.32		115	F	480	1380	115		9.1	1.25
		F	458	1240	70		6.0	1.29			F	470	1340	86		6.9	1.29
		F	458	1160	110		10.5	1.21			F	464	1320	105		8.6	1.32
		F	444	1140	95		9.1	1.30			F	464	1320	85		6.9	1.32
		F	440	1160	97		9.1	1.36			F	462	1180	130		12.4	1.20
		F	440	1120	105		10.3	1.31			F	460	1180	98		9.1	1.21
		M	510	1680	97		5.4	1.42			F	452	1180	105		9.8	1.28
		M	508	1560	82		5.5	1.19			F	450	1180	110		10.3	1.29
		M	506	1600	51		3.3	1.24			F	450	1160	75		6.9	1.27
		M	504	1720	48		2.9	1.34			F	450	1140	130		12.9	1.25
		M	494	1540	54		3.6	1.28			F	450	1140	94		9.0	1.25
		M	490	1580	40		2.6	1.34			F	450	1080	80		8.0	1.19
		M	490	1280	27		2.2	1.09			F	448	1240	95		8.3	1.38
		M	488	1540	43		2.9	1.33			F	448	1240	95		8.3	1.38
		M	488	1520	60		4.1	1.31			F	446	1460	91		6.6	1.65
		M	488	1480	66		4.7	1.27			F	446	1260	115		10.0	1.42
		M	488	1480	38		2.6	1.27			F	444	1020	95		10.3	1.17
		M	486	1440	72		5.3	1.24			F	440	1140	81		7.6	1.34
		M	486	1540	47		3.1	1.34			M	496	1760	110		6.7	1.44
		M	480	1660	77		4.9	1.50			M	488	1440	86		6.4	1.24
		M	480	1480	59		4.2	1.34			M	480	1360	54		4.1	1.23
		M	466	1360	25		1.9	1.34			M	476	1340	46		3.6	1.24
		M	466	1320	45		3.5	1.30			M	474	1360	75		5.8	1.28
		M	462	1320	43		3.4	1.34			M	470	1380	66		5.0	1.33
		M	460	1320	42		3.3	1.36			M	470	1360	25		1.9	1.31
		M	454	1140	87		8.3	1.22			M	464	1260	59		4.9	1.26
	121	F	578	1420	69		5.1	0.74			M	434	980	52		5.6	1.20
		F	552	1140	90		8.6	0.68			M	432	1040	43		4.3	1.29
		F	530	1560	110		7.6	1.25			M	424	960	52		5.7	1.26
		F	494	1520	83		5.8	1.26			M	416	880	83		10.4	1.22
		F	476	1340	105		8.5	1.24			M	412	920	37		4.2	1.32
		F	470	1440	100		7.5	1.39		112	F	510	1740	115		7.1	1.31
		F	470	1280	125		10.8	1.23			F	506	1520	115		8.2	1.17
		F	460	1220	90		8.0	1.25			F	462	1160	72		6.6	1.18
		F	458	1180	76		6.9	1.29			F	460	1360	110		8.8	1.40
		M	534	2200	55		2.6	1.44			F	458	1180	63		5.6	1.23
		M	526	1760	55		3.2	1.21			F	452	1180	105		9.8	1.28
		M	524	1820	51		2.9	1.26			F	444	1160	91		8.5	1.33
		M	522	1820	55		3.1	1.28			F	440	1080	78		7.8	1.27
		M	518	2020	55		2.8	1.45			F	440	1080	61		6.0	1.27
		M	514	1880	30		1.6	1.38			F	434	1080	105		10.8	1.32
		M	508	1780	82		4.8	1.36			F	430	980	115		13.3	1.23
		M	500	1720	58		3.5	1.38			F	430	980	69		7.6	1.23
		M	498	1460	7		0.5	1.18			M	524	1920	72		3.9	1.33
		M	494	1760	56		3.3	1.46			M	486	1560	82		5.5	1.36
		M	486	1560	57		3.8	1.36			M	470	1320	54		4.3	1.27
		M	486	1440	39		2.8	1.25			M	470	1320	43		3.4	1.27
		M	484	1480	60		4.2	1.31			M	468	1240	61		5.2	1.21
		M	482	1420	51		3.7	1.27			M	464	1320	49		3.9	1.32
		M	482	1420	35		2.5	1.27			M	464	1220	34		2.9	1.22
		M	480	1440	40		2.9	1.30			M	458	1140	25		2.2	1.19
		M	480	1280	60		4.9	1.16			M	454	1280	26		2.1	1.37
		M	472	1360	55		4.2	1.29			M	450	1020	43		4.4	1.12
		M	466	1340	54		4.2	1.32			M	450	980	39		4.1	1.08
		M	454	1320	36		2.8	1.41			M	436	960	65		7.3	1.16
		M	442	1220	68		5.9	1.41			M	430	1840	70		4.0	2.31
	121-C	F	470	1340	71		5.6	1.29			M	420	1020	97		10.5	1.38
		F	462	1340	115		9.4	1.36			M	412	880	49		5.9	1.26
		F	452	1340	97		7.8	1.45		106-C	F	504	1560	120		8.3	1.22
		F	452	1080	79		7.9	1.17			F	484	1420	120		9.2	1.25
		F	450	1020	94		10.2	1.12			F	472	1140	72		6.7	1.08
		F	438	1180	97		9.0	1.40			F	470	1340	125		10.3	1.29
		F	432	1140	86		8.2	1.41			F	466	1180	89		8.2	1.17
		M	510	1620	31		2.0	1.22			F	460	1280	94		7.9	1.32
		M	496	1660	115		7.4	1.36			F	460	1120	90		8.7	1.15
		M	480	1560	32		2.1	1.41			F	448	1120	67		6.4	1.25
		M	470	1420	72		5.3	1.37			F	444	1040	92		9.7	1.19

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	442	1160	87		8.1	1.34
		F	442	1120	79		7.6	1.30
		F	442	1040	77		8.0	1.20
		F	440	1040	105		11.2	1.22
		F	440	1020	80		8.5	1.20
		F	430	1040	89		9.4	1.31
		F	430	940	54		6.1	1.18
		M	526	1980	110		5.9	1.36
		M	500	1620	44		2.8	1.30
		M	500	1620	39		2.5	1.30
		M	494	1440	60		4.3	1.19
		M	490	1520	47		3.2	1.29
		M	472	1340	30		2.3	1.27
		M	472	1260	52		4.3	1.20
		M	472	1320	60		4.8	1.26
		M	450	1040	54		5.5	1.14
		M	442	960	30		3.2	1.11
		M	436	1140	66		6.1	1.36
		M	432	1080	49		4.8	1.34
		M	430	1020	76		8.1	1.28
		M	428	840	23		2.8	1.07
		F	480					
		F	454					
		F	450					
		F	444					
		F	442					
		F	440					
		F	440					
		F	432					
		F	426					
		F	424					
		F	412					
		M	480					
		M	470					
		M	468					
		M	456					
		M	440					
		M	440					
		M	440					
		M	430					
		M	424					
		M	414					
		M	410					
	93-C	F	500	1640	110		7.2	1.31
		F	498	1580	93		6.3	1.28
		F	480	1420	92		6.9	1.28
		F	468	1260	105		9.1	1.23
		F	468	1220	96		8.5	1.19
		F	400	1240	125		11.2	1.23
		F	484	1240	125		11.2	1.24
		F	458	1180	115		10.8	1.23
		F	454	1060	79		8.1	1.13
		F	454	1060	54		5.4	1.13
		F	450	1020	84		9.0	1.12
		F	440	1020	66		6.9	1.20
		F	434	1020	95		10.3	1.25
		F	434	1020	70		7.4	1.25
		F	430	840	61		7.8	1.06
		F	418	960	61		6.8	1.31
		F	418	840	42		5.3	1.15
		M	492	1480	77		5.5	1.24
		M	486	1320	23		1.8	1.15
		M	484	1420	60		4.4	1.25
		M	480	1380	47		3.5	1.25
		M	474	1340	38		2.9	1.26
		M	446	1160	72		6.5	1.33
		M	444	940	24		2.6	1.07
		M	440	920	78		9.3	1.08
		M	430	1060	51		5.1	1.28
		M	430	980	42		4.5	1.18
		M	426	860	39		4.8	1.11
		M	422	860	61		7.6	1.14
		M	398	760	52		7.3	1.21
		F	468					
		F	462					
		F	454					
		F	450					
		F	450					
		F	444					
		F	442					
		F	436					
		F	432					
		F	430					
		F	424					
		F	422					
		F	420					
		F	414					
		M	470					
		M	456					
		M	454					
		M	452					
		M	450					
		M	446					
		M	442					
		M	440					
		M	434					
		M	426					
		M	420					
		M	394					
	82-C	F	474	1360	105		8.4	1.28
		F	470	1180	81		7.4	1.14
		F	460	1140	75		7.0	1.17
		F	448	1020	56		5.8	1.13
		F	444	1040	110		11.8	1.19
		F	432	1000	83		9.1	1.24
		F	432	980	81		9.0	1.22
		F	400	640	50		8.5	1.00
		M	444	1140	69		6.4	1.30
		M	440	980	60		6.5	1.15
		M	438	980	47		5.0	1.17
		M	432	1040	60		6.1	1.29
		M	424	1020	66		6.9	1.34
		M	408	740	54		7.9	1.09
		M	372	600	47		8.5	1.17
		M	454	1020	57		5.9	1.09
	72-C	F	452	1200	140		13.2	1.30
		F	354	420	18		4.5	0.95
		M	362	520	42		8.8	1.10
	55-C	M	462	1220	37		3.1	1.24
G18	157-C	M	533	2020	125		6.6	1.33
		M	525	1740	110		6.7	1.20
		M	518	1800	96		5.6	1.30
	138-C	F	524	2240	73		3.4	1.56
		F	444	1220	115		10.4	1.39
		M	530	1760	110		6.7	1.18
		M	524	1860	51		2.8	1.29
		M	510	1640	85		5.5	1.24
		M	506	1780	125		7.6	1.37
		M	504	1780	54		3.1	1.39
		M	504	1640	110		7.2	1.28
		M	500	1620	53		3.4	1.30
		M	494	1620	61		3.9	1.34
		M	484	1540	39		2.6	1.36
		M	484	1400	72		5.4	1.23
		M	482	1460	50		3.5	1.30
		M	474	1420	73		5.4	1.33
		M	472	1420	68		5.0	1.35
		M	460	1180	78		7.1	1.21
		M	454	1080	53		5.2	1.15
		M	440	960	82		9.3	1.13

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	424	920	66		7.7	1.21
		M	404	780	26		3.4	1.18
	124	F	490	1620	98		6.4	1.38
		F	484	1440	105		7.9	1.27
		F	480	1540	135		9.6	1.39
		F	480	1520	87		6.1	1.37
		F	464	1280	99		8.4	1.28
		F	460	1180	115		10.8	1.21
		F	450	1060	85		8.7	1.16
		F	442	1140	94		9.0	1.32
		M	530	1960	78		4.1	1.32
		M	512	1620	130		8.7	1.21
		M	494	1520	89		6.2	1.26
		M	494	1460	38		2.7	1.21
		M	490	1480	84		6.0	1.26
		M	484	1520	92		6.4	1.34
		M	482	1340	51		4.0	1.20
		M	474	1540	42		2.8	1.45
		M	474	1420	35		2.5	1.33
		M	466	1380	90		7.0	1.36
		M	464	1360	88		6.9	1.36
		M	464	1280	76		6.3	1.28
		M	460	1320	82		6.6	1.36
		M	460	1240	50		4.2	1.27
		M	460	1180	75		6.8	1.21
		M	458	1140	78		7.3	1.19
		M	448	1220	90		8.0	1.36
		M	448	1180	96		8.9	1.31
		M	444	1160	53		4.8	1.33
		M	436	1200	96		8.7	1.45
		M	430	1120	75		7.2	1.41
		M	430	1040	64		6.6	1.31
	121	F	480	1400	85		6.5	1.27
		F	472	1380	91		7.1	1.31
		F	472	1360	85		6.7	1.29
		F	470	1080	98		10.0	1.04
		F	464	1240	125		11.2	1.24
		F	460	1440	83		6.1	1.48
		F	460	1280	83		6.9	1.32
		F	460	1220	98		8.7	1.25
		F	454	1180	74		6.7	1.26
		F	450	1180	135		12.9	1.29
		F	444	1120	105		10.3	1.28
		F	440	1080	93		9.4	1.27
		M	530	1860	91		5.1	1.25
		M	500	1480	35		2.4	1.18
		M	496	1340	98		7.9	1.10
		M	492	1620	89		5.8	1.36
		M	492	1520	98		6.9	1.28
		M	490	1380	37		2.8	1.17
		M	478	1440	98		7.3	1.32
		M	472	1460	75		5.4	1.39
		M	462	1160	110		10.5	1.18
		M	460	1380	32		2.4	1.42
		M	460	1260	50		4.1	1.29
		M	456	1320	61		4.8	1.39
		M	454	1120	58		5.5	1.20
		M	450	1220	88		7.8	1.34
		M	450	1160	71		6.5	1.27
		M	450	1140	67		6.2	1.25
		M	430	1120	62		5.9	1.41
		M	424	1040	76		7.9	1.36
	121-C	F	590	1480	93		6.7	0.72
		F	510	1760	120		7.3	1.33
		F	502	1680	135		8.7	1.33
		F	484	1560	105		7.2	1.38
		F	484	1320	105		8.6	1.16
		F	480	1540	84		5.8	1.39
		F	480	1460	115		8.6	1.32
		F	480	1360	65		5.0	1.23
		F	474	1340	135		11.2	1.26
		F	472	1340	115		9.4	1.27
		F	464	1360	110		8.8	1.36
		F	460	1380	98		7.6	1.42
		F	460	1180	110		10.3	1.21
		M	526	1960	99		5.3	1.35
		M	520	1820	95		5.5	1.29
		M	512	1660	82		5.2	1.24
		M	510	1840	62		3.5	1.39
		M	510	1840	62		3.5	1.39
		M	510	1760	96		5.8	1.33
		M	508	1580	66		4.4	1.21
		M	498	1380	76		5.8	1.12
		M	498	1360	48		3.7	1.10
		M	484	1580	74		4.9	1.39
		M	480	1340	48		3.7	1.21
		M	474	1340	42		3.2	1.26
		M	470	1460	44		3.1	1.41
		M	464	1280	84		7.0	1.28
		M	462	1340	49		3.8	1.36
		M	456	1180	44		3.9	1.24
		M	452	1080	57		5.6	1.17
		M	446	1140	75		7.0	1.28
		F	502					
		F	500					
		F	496					
		F	478					
		F	468					
		F	466					
		F	466					
		F	462					
		F	450					
		M	594					
		M	590					
		M	590					
		M	524					
		M	516					
		M	506					
		M	500					
		M	498					
		M	488					
		M	484					
		M	482					
		M	480					
		M	478					
		M	476					
		M	470					
		M	468					
		M	464					
		M	460					
		M	458					
		M	456					
		M	454					
		M	450					
		M	442					
		M	440					
		M	440					
		M	436					
		M	430					
	115	F	508	1740	110		6.7	1.33
		F	500	1640	120		7.9	1.31
		F	490	1420	115		8.8	1.21
		F	482	1440	140		10.8	1.29
		F	480	1500	115		8.3	1.36
		F	472	1340	73		5.8	1.27
		F	468	1340	105		8.5	1.31
		F	468	1280	80		6.7	1.25
		F	468	1260	130		11.5	1.23
		F	460	1260	95		8.2	1.29
		F	458	1160	98		9.2	1.21

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	454	1160	78		7.2	1.24
		F	452	1240	66		5.6	1.34
		F	444	1100	87		8.6	1.26
		F	440	1080	110		11.3	1.27
		F	440	980	77		8.5	1.15
		F	434	1180	96		8.9	1.44
		F	428	1060	97		10.1	1.35
		M	530	1980	160		8.8	1.33
		M	530	1740	52		3.1	1.17
		M	490	1420	53		3.9	1.21
		M	484	1460	63		4.5	1.29
		M	480	1520	98		6.9	1.37
		M	480	1280	72		6.0	1.16
		M	464	1320	43		3.4	1.32
		M	454	1380	110		8.7	1.47
		M	452	1120	75		7.2	1.21
		M	446	940	73		8.4	1.06
		M	444	1260	88		7.5	1.44
		M	420	960	59		6.5	1.30
	112	F	544	2080	120		6.1	1.29
		F	508	1640	87		5.6	1.25
		F	482	1360	85		6.7	1.21
		F	480	1280	86		7.2	1.16
		F	478	1360	110		8.8	1.25
		F	472	1380	93		7.2	1.31
		F	464	1240	130		11.7	1.24
		F	462	1280	135		11.8	1.30
		F	462	1140	92		8.8	1.16
		F	454	1160	140		13.7	1.24
		F	454	1160	105		10.0	1.24
		F	454	1040	130		14.3	1.11
		F	452	1160	105		10.0	1.26
		F	450	1160	86		8.0	1.27
		F	450	1140	100		9.6	1.25
		F	442	1120	82		7.9	1.30
		M	500	1680	110		7.0	1.34
		M	494	1520	54		3.7	1.26
		M	492	1640	50		3.1	1.38
		M	484	1520	130		9.4	1.34
		M	484	1480	87		6.2	1.31
		M	482	1620	50		3.2	1.45
		M	482	1400	66		4.9	1.25
		M	474	1380	80		6.2	1.30
		M	470	1360	65		5.0	1.31
		M	458	1240	63		5.4	1.29
		M	456	1260	77		6.5	1.33
		M	452	1220	31		2.6	1.32
		M	444	1080	72		7.1	1.23
		M	394	840	57		7.3	1.37
	106-C	F	480	1360	81		6.3	1.23
		F	472	1220	120		10.9	1.16
		F	470	1440	94		7.0	1.39
		F	470	1340	135		11.2	1.29
		F	460	1320	150		12.8	1.36
		F	454	1120	89		8.6	1.20
		F	450	1140	78		7.3	1.25
		F	442	1040	83		8.7	1.20
		F	440	1080	130		13.7	1.27
		F	434	1020	79		8.4	1.25
		F	434	1000	120		13.6	1.22
		F	434	980	93		10.5	1.20
		F	430	1020	87		9.3	1.28
		F	426	1040	88		9.2	1.35
		F	414	900	70		8.4	1.27
		M	490	1480	68		4.8	1.26
		M	490	1480	48		3.4	1.26
		M	484	1340	72		5.7	1.18
		M	470	1280	75		6.2	1.23
		M	464	1240	70		6.0	1.24
		M	464	1160	37		3.3	1.16

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	462	1160	125		12.1	1.18
		M	460	1020	51		5.3	1.05
		M	442	1020	80		8.5	1.18
		M	440	1160	57		5.2	1.36
		M	440	940	61		6.9	1.10
		M	434	1040	47		4.7	1.27
		M	430	1040	65		6.7	1.31
		M	428	920	62		7.2	1.17
		M	424	1020	82		8.7	1.34
	93-C	F	498	1520	100		7.0	1.23
		F	494	1600	135		9.2	1.33
		F	472	1360	92		7.3	1.29
		F	468	1220	105		9.4	1.19
		F	456	1180	79		7.2	1.24
		F	452	1140	99		9.5	1.23
		F	450	1180	5		0.4	1.29
		F	444	1060	73		7.4	1.21
		F	444	1040	83		8.7	1.19
		F	442	1120	98		9.6	1.30
		F	440	1120	93		9.1	1.31
		F	440	1040	72		7.4	1.22
		F	436	1000	89		9.8	1.21
		F	434	820	60		7.9	1.00
		F	400	780	57		7.9	1.22
		M	464	1180	54		4.8	1.18
		M	460	1320	55		4.3	1.36
		M	452	1080	60		5.9	1.17
		M	448	780	45		6.1	0.87
		M	450	1180	87		8.0	1.29
		M	440	1220	64		5.5	1.43
		M	440	1160	63		5.7	1.36
		M	440	1020	115		12.7	1.20
		M	420	960	57		6.3	1.30
		M	420	940	57		6.5	1.27
		M	420	940	54		6.1	1.27
		M	420	860	49		6.0	1.16
		M	410	940	64		7.3	1.36
		M	410	680	26		4.0	0.99
		M	404	820	72		9.6	1.24
		F	560					
		F	504					
		F	462					
		F	460					
		F	454					
		F	430					
		F	430					
		F	422					
		F	420					
		F	420					
		F	410					
		F	410					
		M	512					
		M	490					
		M	478					
		M	472					
		M	460					
		M	448					
		M	446					
		M	430					
		M	426					
		M	420					
		M	420					
		M	420					
		M	410					
		M	410					
		M	394					
		M	390					
		M	380					
	82-C	F	490	1480	76		5.4	1.26
		F	464	1120	78		7.5	1.12

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	460	1320	100		8.2	1.36
		F	456	1020	93		10.0	1.08
		F	454	1240	73		6.3	1.33
		F	454	1080	85		8.5	1.15
		F	450	1160	78		7.2	1.27
		F	450	1080	77		7.7	1.19
		F	448	1120	120		12.0	1.25
		F	444	1180	110		10.3	1.35
		F	444	1040	99		10.5	1.19
		F	444	1020	92		9.9	1.17
		F	440	1020	84		9.0	1.20
		F	440	920	80		9.5	1.08
		F	424	920	44		5.0	1.21
		F	424	820	91		12.5	1.08
		F	422	880	55		6.7	1.17
		F	420	880	72		8.9	1.19
		F	420	780	63		8.8	1.05
		M	536	2140	115		5.7	1.39
		M	524	1760	72		4.3	1.22
		M	464	1120	53		5.0	1.12
		M	464	1120	53		5.0	1.12
		M	450	1120	92		8.9	1.23
		M	448	1060	75		7.6	1.18
		M	442	1080	37		3.5	1.25
		M	410	840	47		5.9	1.22
		M	392	740	64		9.5	1.23
		M	374	720	65		9.9	1.38
		M	370	680	48		7.6	1.34
		F	450					
		F	446					
		F	446					
		F	444					
		F	444					
		F	436					
		F	432					
		F	430					
		F	426					
		F	420					
		F	416					
		F	416					
		F	410					
		F	374					
		M	462					
		M	440					
		M	432					
		M	422					
		M	420					
		M	420					
		M	420					
		M	418					
		M	412					
		M	400					
		M	380					
	72-C	F	450	1160	97		9.1	1.27
		F	438	1040	66		6.8	1.24
		F	432	920	83		9.9	1.14
		F	430	920	70		8.2	1.16
		F	424	820	98		13.6	1.08
		F	410	760	70		10.1	1.10
		F	409	720	43		6.4	1.05
		M	500	1480	54		3.8	1.18
		M	472	1320	82		6.6	1.26
		M	470	1340	64		5.0	1.29
		M	440	1160	72		6.6	1.36
		M	384	660	73		12.4	1.17
	63-C	F	510	1520	120		8.6	1.15
		F	460	1180	87		8.0	1.21
		M	502	1780	115		6.9	1.41
	55-C	M	500	1660	83		5.3	1.33
G19	157-C	M	534	2060	105		5.4	1.35

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	498	1580	70		4.6	1.28
		M	492	1760	45		2.6	1.48
		M	450	2240	170		8.2	2.46
	138-C	F	462	1140	120		11.8	1.16
		F	460	1160	120		11.5	1.19
		F	420	920	70		8.2	1.24
		M	530	2040	115		6.0	1.37
		M	520	1720	71		4.3	1.22
		M	512	1680	57		3.5	1.25
		M	504	1720	72		4.4	1.34
		M	490	1480	64		4.5	1.26
		M	486	1380	90		7.0	1.20
		M	484	1580	81		5.4	1.39
		M	472	1420	120		9.2	1.35
		M	450	1080	87		8.8	1.19
	124	F	500	1620	115		7.6	1.30
		F	494	1580	120		8.2	1.31
		F	492	1540	115		8.1	1.29
		F	484	1480	96		6.9	1.31
		F	484	1380	110		8.7	1.22
		F	480	1480	130		9.6	1.34
		F	474	1380	98		7.6	1.30
		F	472	1340	130		10.7	1.27
		F	468	1220	91		8.1	1.19
		F	466	1260	100		8.6	1.25
		F	462	1320	95		7.8	1.34
		F	460	1240	130		11.7	1.27
		F	456	1280	110		9.4	1.35
		F	454	1180	130		12.4	1.26
		F	430	1200	115		10.6	1.51
		M	506	1540	99		6.9	1.19
		M	504	1560	64		4.3	1.22
		M	484	1380	78		6.0	1.22
		M	482	1460	94		6.9	1.30
		M	478	1280	63		5.2	1.17
		M	476	1480	62		4.4	1.37
		M	470	1360	176		14.9	1.31
		M	460	1280	115		9.9	1.32
		M	458	1220	72		6.3	1.27
		M	456	1240	62		5.3	1.31
		M	450	1220	64		5.5	1.34
		M	450	1160	59		5.4	1.27
		M	448	1160	66		6.0	1.29
		M	444	1220	58		5.0	1.39
		M	432	1140	81		7.6	1.41
	121	F	530	1460	73		5.3	0.98
		F	498	1540	140		10.0	1.25
		F	492	1420	98		7.4	1.19
		F	490	1560	98		6.7	1.33
		F	476	1320	125		10.5	1.22
		F	474	1480	120		8.8	1.39
		F	474	1240	42		3.5	1.16
		F	472	1360	115		9.2	1.29
		F	470	1440	120		9.1	1.39
		F	470	1240	97		8.5	1.19
		F	464	1360	125		10.1	1.36
		F	456	1360	135		11.0	1.43
		F	450	1160	130		12.6	1.27
		M	518	1620	115		7.6	1.17
		M	500	1540	37		2.5	1.23
		M	494	1580	74		4.9	1.31
		M	490	1520	79		5.5	1.29
		M	486	1520	97		6.8	1.32
		M	486	1520	76		5.3	1.32
		M	486	1460	45		3.2	1.27
		M	476	1340	65		5.1	1.24
		M	474	1380	58		4.4	1.30
		M	470	1320	62		4.9	1.27
		M	470	1260	87		7.4	1.21
		M	464	1280	60		4.9	1.28

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	464	1220	43		3.7	1.22
		M	454	1220	96		8.5	1.30
		M	440	1120	81		7.8	1.31
		M	440	1080	36		3.4	1.27
		M	440	980	32		3.4	1.15
	121-C	F	500	1580	92		6.2	1.26
		F	500	1540	100		6.9	1.23
		F	480	1340	97		7.8	1.21
		F	476	1440	100		7.5	1.34
		F	470	1320	98		8.0	1.27
		F	456	1160	110		10.5	1.22
		F	440	900	58		6.9	1.06
		F	438	1080	97		9.9	1.29
		M	520	1920	53		2.8	1.37
		M	500	1580	67		4.4	1.26
		M	500	1560	33		2.2	1.25
		M	500	1460	46		3.3	1.17
		M	498	1520	77		5.3	1.23
		M	494	1440	27		1.9	1.19
		M	490	1580	98		6.6	1.34
		M	490	1420	30		2.2	1.21
		M	490	1380	83		6.4	1.17
		M	486	1420	63		4.6	1.24
		M	478	1420	97		7.3	1.30
		M	472	1340	59		4.6	1.27
		M	470	1340	105		8.5	1.29
		M	468	1240	95		8.3	1.21
		M	466	1520	99		7.0	1.50
		M	464	1340	66		5.2	1.34
		M	454	940	27		3.0	1.00
		M	450	1220	66		5.7	1.34
		M	446	1280	64		5.3	1.44
		M	444	1140	61		5.7	1.30
		M	439	1160	94		8.8	1.37
		M	420	980	52		5.6	1.32
		F	448					
		M	508					
		M	498					
		M	490					
		M	488					
		M	466					
		M	462					
		M	462					
		M	460					
		M	444					
		M	396					
	115	F	514	1840	145		8.6	1.35
		F	494	1360	110		8.8	1.13
		F	486	1640	110		7.2	1.43
		F	486	1380	98		7.6	1.20
		F	472	1220	92		8.2	1.16
		F	472	1120	130		13.1	1.07
		F	470	1280	97		8.2	1.23
		F	466	1380	125		10.0	1.36
		F	464	1420	105		8.0	1.42
		F	464	1220	110		9.9	1.22
		F	460	1180	135		12.9	1.21
		F	450	1080	105		10.8	1.19
		F	442	1080	105		10.8	1.25
		F	438	1120	120		12.0	1.33
		M	492	1280	48		3.9	1.07
		M	490	1640	85		5.5	1.39
		M	480	1520	97		6.8	1.37
		M	476	1420	95		7.2	1.32
		M	474	1520	57		3.9	1.43
		M	470	1260	93		8.0	1.21
		M	458	1220	71		6.2	1.27
		M	456	1340	87		6.9	1.41
		M	452	1220	64		5.5	1.32
		M	452	1120	32		2.9	1.21
		M	450	1120	79		7.6	1.23
		M	440	1260	83		7.1	1.48
		M	440	1120	69		6.6	1.31
		M	440	1040	62		6.3	1.22
		M	436	1080	87		8.8	1.30
		M	420	1060	66		6.6	1.43
	112	F	482	1540	73		5.0	1.38
		F	480	1440	110		8.3	1.30
		F	476	1420	115		8.8	1.32
		F	476	1380	96		7.5	1.28
		F	462	1160	95		8.9	1.18
		F	460	1240	105		9.3	1.27
		F	460	1240	100		8.8	1.27
		F	456	1120	115		11.4	1.18
		F	454	1280	115		9.9	1.37
		F	454	1220	105		9.4	1.30
		F	450	1180	110		10.3	1.29
		F	450	1160	120		11.5	1.27
		F	450	1160	105		10.0	1.27
		F	450	1140	140		14.0	1.25
		F	450	1060	79		8.1	1.16
		F	446	1140	84		8.0	1.28
		F	444	1120	90		8.7	1.28
		F	444	1060	95		9.8	1.21
		F	442	1080	105		10.8	1.25
		F	442	1040	105		11.2	1.20
		F	440	960	90		10.3	1.13
		F	434	1080	110		11.3	1.32
		F	424	960	180		23.1	1.26
		M	532	2040	140		7.4	1.35
		M	470	1380	68		5.2	1.33
		M	462	1180	77		7.0	1.20
		M	450	1040	51		5.2	1.14
		M	440	1140	175		18.1	1.34
		M	428	1020	72		7.6	1.30
		M	424	1020	52		5.4	1.34
	106-C	F	490	1480	99		7.2	1.26
		F	478	1380	110		8.7	1.26
		F	478	1280	110		9.4	1.17
		F	474	1260	105		9.1	1.18
		F	464	1260	110		9.6	1.26
		F	462	1120	87		8.4	1.14
		F	460	1280	105		8.9	1.32
		F	454	1180	105		9.8	1.26
		F	452	1240	125		11.2	1.34
		F	452	1140	115		11.2	1.23
		F	450	2280	115		5.3	2.50
		F	450	1140	100		9.6	1.25
		F	450	1080	110		11.3	1.19
		F	450	960	80		9.1	1.05
		F	438	980	92		10.4	1.17
		F	432	1120	115		11.4	1.39
		M	506	1640	67		4.3	1.27
		M	500	1640	94		6.1	1.31
		M	494	1440	63		4.6	1.19
		M	490	1540	63		4.3	1.31
		M	480	1380	72		5.5	1.25
		M	480	1320	29		2.2	1.19
		M	476	1280	58		4.7	1.19
		M	474	1420	67		5.0	1.33
		M	474	1280	48		3.9	1.20
		M	470	2280	87		4.0	2.20
		M	464	1260	68		5.7	1.26
		M	450	1220	43		3.7	1.34
		M	439	1020	93		10.0	1.21
		M	392	840	81		10.7	1.39
		F	492					
		F	488					
		F	486					
		F	480					

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	476					
		F	466					
		F	464					
		F	460					
		F	458					
		F	456					
		F	456					
		F	454					
		F	454					
		F	452					
		F	450					
		F	448					
		F	446					
		F	444					
		F	444					
		F	444					
		F	444					
		F	442					
		F	442					
		F	440					
		F	440					
		F	438					
		F	438					
		F	436					
		F	432					
		F	432					
		F	430					
		F	430					
		F	426					
		F	420					
		F	418					
		F	418					
		M	500					
		M	500					
		M	486					
		M	472					
		M	468					
		M	458					
		M	456					
		M	450					
		M	446					
		M	444					
		M	440					
		M	440					
		M	438					
		M	428					
		M	424					
		M	420					
		M	418					
		M	412					
		M	402					
		M	392					
	93-C	F	480	1420	88		6.6	1.28
		F	480	1360	105		8.4	1.23
		F	464	1340	100		8.1	1.34
		F	456	1220	105		9.4	1.29
		F	454	1260	89		7.6	1.35
		F	452	1120	93		9.1	1.21
		F	452	1040	92		9.7	1.13
		F	442	1180	96		8.9	1.37
		F	440	1020	97		10.5	1.20
		F	434	1120	90		8.7	1.37
		F	434	1080	100		10.2	1.32
		F	426	980	91		10.2	1.27
		F	426	940	96		11.4	1.22
		F	424	860	55		6.8	1.13
		F	400	680	86		14.5	1.06
		M	500	1480	73		5.2	1.18
		M	490	1620	63		4.0	1.38
		M	468	1320	97		7.9	1.29

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	456	1260	53		4.4	1.33
		M	452	1320	84		6.8	1.43
		M	444	1160	70		6.4	1.33
		M	442	1120	81		7.8	1.30
		M	440	1040	83		8.7	1.22
		M	430	960	58		6.4	1.21
		M	430	780	19		2.5	0.98
		M	428	1160	92		8.6	1.48
		M	424	960	74		8.4	1.26
		M	424	840	37		4.6	1.10
		M	412	780	63		8.8	1.12
		M	402	920	52		6.0	1.42
		F	490					
		F	486					
		F	486					
		F	460					
		F	456					
		F	456					
		F	452					
		F	450					
		F	448					
		F	444					
		F	444					
		F	442					
		F	442					
		F	440					
		F	438					
		F	438					
		F	432					
		F	418					
		M	480					
		M	476					
		M	466					
		M	462					
		M	460					
		M	458					
		M	454					
		M	444					
		M	444					
		M	442					
		M	440					
		M	430					
		M	428					
		M	420					
		M	416					
		M	404					
		M	380					
	82-C	F	466	1260	94		8.1	1.25
		F	460	1140	115		11.2	1.17
		F	452	1120	95		9.3	1.21
		F	450	1040	82		8.6	1.14
		F	446	1040	96		10.2	1.17
		F	440	1100	110		11.1	1.29
		F	436	980	105		12.0	1.18
		F	436	1020	80		8.5	1.23
		F	436	880	76		9.5	1.06
		F	434	880	75		9.3	1.08
		M	500	1680	98		6.2	1.34
		M	490	1460	64		4.6	1.24
		M	466	1220	57		4.9	1.21
		M	462	1240	69		5.9	1.26
		M	460	1220	53		4.5	1.25
		M	454	1260	67		5.6	1.35
		M	454	1080	75		7.5	1.15
		M	446	940	86		10.1	1.06
		M	440	960	57		6.3	1.13
		M	434	1060	92		9.5	1.30
		M	434	880	37		4.4	1.08
		M	432	840	56		7.1	1.04

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	430	1100	83		8.2	1.38
		M	430	980	65		7.1	1.23
		M	424	960	80		9.1	1.26
		M	424	960	54		6.0	1.26
		M	410	840	46		5.8	1.22
		M	406	780	56		7.7	1.17
		M	396	720	35		5.1	1.16
		M	388	640	62		10.7	1.10
	72-C	F	490	1480	90		6.5	1.26
		F	448	900	50		5.9	1.00
		F	440	960	32		3.4	1.13
		F	410	1060	90		9.3	1.54
		F	400	920	95		11.5	1.44
		F	400	800	81		11.3	1.25
		M	544	2100	98		4.9	1.30
		M	446	1240	56		4.7	1.40
		M	406	620	15		2.5	0.93
		M	400	740	50		7.2	1.16
G20	157-C	M	532	1860	58		3.2	1.24
		M	530	2200	120		5.8	1.48
		M	522	1900	90		5.0	1.34
		M	516	2000	56		2.9	1.46
		M	510	1960	60		3.2	1.48
		M	496	1900	99		5.5	1.56
	138-C	F	502	1780	115		6.9	1.41
		F	500	1620	105		6.9	1.30
		F	496	1480	175		13.4	1.21
		F	488	1680	120		7.7	1.45
		F	440	1080	94		9.5	1.27
		M	530	2240	84		3.9	1.50
		M	522	2060	98		5.0	1.45
		M	520	1840	68		3.8	1.31
		M	520	1760	71		4.2	1.25
		M	514	1820	33		1.8	1.34
		M	512	1960	63		3.3	1.46
		M	508	1840	71		4.0	1.40
		M	506	1700	43		2.6	1.31
		M	502	1780	72		4.2	1.41
		M	500	1680	97		6.1	1.34
		M	500	1640	57		3.6	1.31
		M	500	1540	77		5.3	1.23
		M	498	1740	72		4.3	1.41
		M	496	1560	83		5.6	1.28
		M	490	1560	57		3.8	1.33
		M	490	1380	78		6.0	1.17
		M	484	1540	52		3.5	1.36
		M	480	1420	67		5.0	1.28
		M	478	1440	93		6.9	1.32
		M	470	1300	56		4.5	1.25
		M	456	1320	86		7.0	1.39
		M	456	1320	73		5.9	1.39
		M	450	1320	32		2.5	1.45
	124	F	502	1640	92		5.9	1.30
		F	490	1500	93		6.6	1.27
		F	480	1480	94		6.8	1.34
		F	478	1420	99		7.5	1.30
		F	470	1340	115		9.4	1.29
		F	460	1360	93		7.3	1.40
		F	460	1220	130		11.9	1.25
		F	458	1280	73		6.0	1.33
		F	454	1220	63		5.4	1.30
		F	450	1260	110		9.6	1.38
		F	450	1180	93		8.6	1.29
		F	450	1160	86		8.0	1.27
		F	440	1220	87		7.7	1.43
		M	510	1920	70		3.8	1.45
		M	506	1820	96		5.6	1.40
		M	504	1820	77		4.4	1.42
		M	486	1520	88		6.1	1.32
		M	486	1380	62		4.7	1.20
		M	480	1440	58		4.2	1.30
		M	480	1320	56		4.4	1.19
		M	480	1280	70		5.8	1.16
		M	476	1420	61		4.5	1.32
		M	472	1520	43		2.9	1.45
		M	464	1380	58		4.4	1.38
		M	462	1380	82		6.3	1.40
		M	460	1100	47		4.5	1.13
		M	456	1360	56		4.3	1.43
		M	456	1120	16		1.4	1.18
		M	440	1140	52		4.8	1.34
		M	420	940	59		6.7	1.27
	121	F	564	1280	96		8.1	0.71
		F	502	1640	110		7.2	1.30
		F	500	1580	115		7.8	1.26
		F	490	1460	110		8.1	1.24
		F	476	1640	98		6.4	1.52
		F	476	1440	86		6.4	1.34
		F	474	1320	85		6.9	1.24
		F	472	1240	85		7.4	1.18
		F	470	1420	110		8.4	1.37
		F	470	1320	67		5.3	1.27
		F	470	1240	68		5.8	1.19
		F	470	1240	68		5.8	1.19
		F	468	1220	80		7.0	1.19
		F	460	1260	78		6.6	1.29
		F	458	1160	60		5.5	1.21
		F	450	1240	76		6.5	1.36
		F	450	1180	93		8.6	1.29
		F	450	1160	84		7.8	1.27
		F	450	1140	86		8.2	1.25
		F	442	1080	77		7.7	1.25
		M	522	1720	58		3.5	1.21
		M	514	1760	43		2.5	1.30
		M	494	1780	105		6.3	1.48
		M	480	1640	44		2.8	1.48
		M	480	1280	37		3.0	1.16
		M	470	1460	72		5.2	1.41
		M	468	1380	75		5.7	1.35
		M	462	1240	34		2.8	1.26
		M	460	1240	62		5.3	1.27
		M	460	1220	84		7.4	1.25
		M	436	1060	28		2.7	1.28
	121-C	F	560	1360	82		6.4	0.77
		F	482	1540	92		6.4	1.38
		F	482	1440	97		7.2	1.29
		F	476	1300	83		6.8	1.21
		F	472	1240	66		5.6	1.18
		F	462	1320	85		6.9	1.34
		F	460	1460	87		6.3	1.50
		F	460	1340	95		7.6	1.38
		F	460	1280	82		6.8	1.32
		F	456	1160	85		7.9	1.22
		F	456	1160	77		7.1	1.22
		F	456	1220	110		9.9	1.29
		F	452	1140	92		8.8	1.23
		F	450	1240	97		8.5	1.36
		F	444	1220	77		6.7	1.39
		F	442	1180	93		8.6	1.37
		M	500	1680	115		7.3	1.34
		M	500	1620	38		2.4	1.30
		M	492	1560	30		2.0	1.31
		M	480	1240	33		2.7	1.12
		M	478	1340	46		3.6	1.23
		M	470	1340	65		5.1	1.29
		M	470	1240	42		3.5	1.19
		M	468	1180	37		3.2	1.15
		M	466	1380	44		3.3	1.36
		M	462	1380	44		3.3	1.40
		M	458	1340	35		2.7	1.39

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	452	1280	62		5.1	1.39
		M	452	1160	25		2.2	1.26
		M	450	1180	52		4.6	1.29
		F	514					
		F	466					
		F	464					
		F	460					
		F	452					
		F	434					
		F	402					
		F	492					
		F	484					
		F	466					
		F	464					
		F	450					
		F	448					
		F	436					
		F	432					
		F	410					
	115	F	492	1580	92		6.2	1.33
		F	490	1440	97		7.2	1.22
		F	478	1440	89		6.6	1.32
		F	476	1360	91		7.2	1.26
		F	474	1420	74		5.5	1.33
		F	474	1280	74		6.1	1.20
		F	474	1240	110		9.7	1.16
		F	472	1280	109		9.3	1.22
		F	470	1260	86		7.3	1.21
		F	464	1380	74		5.7	1.38
		F	462	1140	58		5.4	1.16
		F	460	1260	105		9.1	1.29
		F	460	1220	89		7.9	1.25
		F	454	1240	62		5.3	1.33
		F	444	1040	77		8.0	1.19
		F	440	1180	98		9.1	1.39
		M	534	1520	53		3.6	1.00
		M	514	1840	45		2.5	1.35
		M	474	1460	36		2.5	1.37
		M	470	1240	40		3.3	1.19
		M	464	1260	33		2.7	1.26
		M	460	1420	80		6.0	1.46
		M	460	1240	58		4.9	1.27
		M	456	1240	31		2.6	1.31
		M	454	1120	38		3.5	1.20
		M	452	1160	21		1.8	1.26
		M	450	1160	51		4.6	1.27
		M	448	1280	60		4.9	1.42
		M	442	1160	83		7.7	1.34
		M	424	1060	46		4.5	1.39
	112	F	545	1240	75		6.4	0.77
		F	506	1620	65		4.2	1.25
		F	500	1680	93		5.9	1.34
		F	500	1620	110		7.3	1.30
		F	494	1640	105		6.8	1.36
		F	490	1460	84		6.1	1.24
		F	476	1520	92		6.4	1.41
		F	474	1280	25		2.0	1.20
		F	472	1560	105		7.2	1.48
		F	464	1460	115		8.6	1.46
		F	464	1080	93		9.4	1.08
		F	462	1180	87		8.0	1.20
		F	454	1420	75		5.6	1.52
		F	452	1100	76		7.4	1.19
		F	442	1180	88		8.1	1.37
		F	430	920	78		9.3	1.16
		F	426	1040	67		6.9	1.35
		F	422	1020	98		10.6	1.36
		M	514	1820	57		3.2	1.34
		M	514	1740	53		3.1	1.28
		M	482	1480	57		4.0	1.32
		M	470	1280	54		4.4	1.23
		M	470	1240	60		5.1	1.19
		M	466	1240	62		5.3	1.23
		M	460	1280	65		5.3	1.32
		M	455	1240	52		4.4	1.32
		M	454	1280	58		4.7	1.37
		M	452	1280	58		4.7	1.39
		M	450	1120	40		3.7	1.23
		M	424	920	45		5.1	1.21
	106-C	F	492	1580	130		9.0	1.33
		F	478	1220	99		8.8	1.12
		F	476	1280	93		7.8	1.19
		F	472	1420	105		8.0	1.35
		F	470	1120	68		6.5	1.08
		F	468	1420	105		8.0	1.39
		F	466	1320	89		7.2	1.30
		F	466	1260	74		6.2	1.25
		F	466	1140	97		9.3	1.13
		F	464	1280	77		6.4	1.28
		F	460	1260	115		10.0	1.29
		F	460	1200	115		10.6	1.23
		F	456	1320	93		7.6	1.39
		F	454	1120	110		10.9	1.20
		F	452	1240	110		9.7	1.34
		F	448	1160	110		10.5	1.29
		F	448	1080	86		8.7	1.20
		M	486	1480	22		1.5	1.29
		M	480	1620	52		3.3	1.46
		M	460	1280	68		5.6	1.32
		M	454	1140	48		4.4	1.22
		M	450	1200	57		5.0	1.32
		M	446	1080	59		5.8	1.22
		M	444	1180	52		4.6	1.35
		M	442	1060	26		2.5	1.23
		M	442	1000	16		1.6	1.16
		M	426	1140	47		4.3	1.47
		M	426	940	35		3.9	1.22
		M	426	920	43		4.9	1.19
		M	420	820	56		7.3	1.11
		F	508					
		F	480					
		F	474					
		F	470					
		F	464					
		F	464					
		F	462					
		F	462					
		F	454					
		F	450					
		F	450					
		F	448					
		F	448					
		F	446					
		F	440					
		F	430					
		F	410					
		M	502					
		M	482					
		M	460					
		M	448					
		M	446					
		M	446					
		M	428					
		M	426					
		M	420					
		M	410					
	93-C	F	488	1440	120		9.1	1.24
		F	480	1420	115		8.8	1.28
		F	474	1420	105		8.0	1.33
		F	468	1280	85		7.1	1.25

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	466	1220	110		9.9	1.21
		F	466	960	73		8.2	0.95
		F	462	1180	81		7.4	1.20
		F	462	1060	68		6.9	1.07
		F	460	1200	73		6.5	1.23
		F	460	1160	93		8.7	1.19
		F	456	1240	90		7.8	1.31
		F	450	1160	76		7.0	1.27
		F	450	1120	76		7.3	1.23
		F	448	1120	89		8.6	1.25
		F	438	1040	73		7.5	1.24
		F	434	980	87		9.7	1.20
		F	430	900	65		7.8	1.13
		F	422	820	72		9.6	1.09
		F	420	940	88		10.3	1.27
		M	482	1360	62		4.8	1.21
		M	476	1480	46		3.2	1.37
		M	476	1400	87		6.6	1.30
		M	464	1320	70		5.6	1.32
		M	450	1300	96		8.0	1.43
		M	448	1080	58		5.7	1.20
		M	440	1020	57		5.9	1.20
		M	420	880	32		3.8	1.19
		M	418	980	79		8.8	1.34
		M	412	920	39		4.4	1.32
		M	398	800	63		8.5	1.27
		F	482					
		F	480					
		F	470					
		F	452					
		F	450					
		F	448					
		F	442					
		F	434					
		F	426					
		F	418					
		F	412					
		F	400					
		M	504					
		M	486					
		M	478					
		M	474					
		M	474					
		M	472					
		M	468					
		M	460					
		M	460					
		M	456					
		M	454					
		M	454					
		M	448					
		M	444					
		M	444					
		M	440					
		M	430					
		M	426					
		M	416					
		M	380					
	82-C	F	500	1480	110		8.0	1.18
		F	496	1680	120		7.7	1.38
		F	470	1420	105		8.0	1.37
		F	466	1160	92		8.6	1.15
		F	464	1480	100		7.2	1.48
		F	462	1320	105		8.6	1.34
		F	462	1100	82		8.1	1.12
		F	456	1180	80		7.3	1.24
		F	446	1240	105		9.3	1.40
		F	446	900	68		8.2	1.01
		F	444	1080	91		9.2	1.23
		F	438	940	73		8.4	1.12

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	434	1080	99		10.1	1.32
		F	422	960	77		8.7	1.28
		F	422	760	61		8.7	1.01
		F	406	860	74		9.4	1.29
		F	400	640	38		6.3	1.00
		F	382	580	19		3.4	1.04
		M	460	1180	43		3.8	1.21
		M	456	1440	63		4.6	1.52
		M	450	1160	83		7.7	1.27
		M	444	1080	83		8.3	1.23
		M	436	1080	48		4.7	1.30
		M	434	1220	51		4.4	1.49
		M	420	880	14		1.6	1.19
		M	418	980	58		6.3	1.34
		M	416	980	43		4.6	1.36
		M	412	860	42		5.1	1.23
		M	404	880	85		10.7	1.33
		M	396	780	71		10.0	1.26
		F	470					
		F	436					
		F	412					
		F	400					
		M	452					
		M	450					
		M	448					
		M	438					
		M	430					
		M	406					
		M	384	1	0		0.0	0.00
	72-C	F	496	1380	70		5.3	1.13
		F	482	1420	99		7.5	1.27
		F	470	1200	91		8.2	1.16
		M	486	1460	55		3.9	1.27
		M	466	1340	43		3.3	1.32
		M	460	1220	64		5.5	1.25
		M	442	1140	56		5.2	1.32
		M	440	900	43		5.0	1.06
	63-C	F	470	1220	97		8.6	1.18
		M	470	1400	50		3.7	1.35
		M	450	1160	85		7.9	1.27
		M	416	840	66		8.5	1.17
	55-C	M	432	1080	45		4.3	1.34
	48-C	F	364	620	42		7.3	1.29
	L-L	F	476	1340	115		9.4	1.24
		F	468	1320	78		6.3	1.29
		F	462	1280	110		9.4	1.30
		F	448	1060	94		9.7	1.18
		F	446	960	83		9.5	1.08
		F	443	980	86		9.6	1.13
		M	526	2000	115		6.1	1.37
		M	490	1580	120		8.2	1.34
		M	432	1060	110		11.6	1.31
		M	408	720	38		5.6	1.06
G21	157-C	M	500	1640	115		7.5	1.31
	138-C	M	500	1420	115		8.8	1.14
		M	482	1600	110		7.4	1.43
	124	F	518	1760	120		7.3	1.27
		F	500	1660	125		8.1	1.33
		F	500	1940	160		10.8	1.31
		F	500	1620	110		7.3	1.30
		F	494	1640	150		10.1	1.36
		F	492	1480	150		11.3	1.24
		F	486	1540	110		7.7	1.34
		F	482	1380	105		8.2	1.23
		F	480	1620	110		7.3	1.46
		F	480	1520	120		8.6	1.37
		F	480	1440	130		9.9	1.30
		F	480	1440	125		9.5	1.30
		F	480	1420	125		9.7	1.28
		F	478	1380	110		8.7	1.26

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	470	1540	155		11.2	1.48
		F	470	1340	135		11.2	1.29
		F	464	1460	140		10.6	1.46
		F	460	1340	135		11.2	1.38
		F	460	1300	130		11.1	1.34
		F	456	1260	135		12.0	1.33
		M	580	2060	150		7.9	1.06
		M	510	1760	85		5.1	1.33
		M	482	1560	63		4.2	1.39
		M	482	1540	88		6.1	1.38
		M	482	1480	93		6.7	1.32
		M	480	1440	88		6.5	1.30
		M	464	1340	50		3.9	1.34
		M	460	1340	65		5.1	1.38
		M	450	1420	99		7.5	1.56
		M	424	1120	78		7.5	1.47
	121	F	510	1840	145		8.6	1.39
		F	502	1680	150		9.8	1.33
		F	500	1660	145		9.6	1.33
		F	500	1520	120		8.6	1.22
		F	500	1440	135		10.3	1.15
		F	490	1520	99		7.0	1.29
		F	482	1420	105		8.0	1.27
		F	480	1340	155		13.1	1.21
		F	474	1340	115		9.4	1.26
		F	472	1340	120		9.8	1.27
		F	470	1320	155		13.3	1.27
		F	460	1260	115		10.0	1.29
		F	460	1240	135		12.2	1.27
		F	458	1240	120		10.7	1.29
		F	454	1280	125		10.8	1.37
		F	452	1340	91		7.3	1.45
		F	448	1220	76		6.6	1.36
		F	444	1180	120		11.3	1.35
		M	534	2260	115		5.4	1.48
		M	520	1720	97		6.0	1.22
		M	504	1660	145		9.6	1.30
		M	494	1520	80		5.6	1.26
		M	486	1620	76		4.9	1.41
		M	480	1480	94		6.8	1.34
		M	474	1440	63		4.6	1.35
		M	464	1360	43		3.3	1.36
		M	454	1260	58		4.8	1.35
		M	450	1280	94		7.9	1.40
		M	424	1120	89		8.6	1.47
	121-C	F	486	1540	145		10.4	1.34
		F	474	1340	135		11.2	1.26
		F	470	1340	115		9.4	1.29
		F	468	1240	105		9.3	1.21
		F	460	1320	130		10.9	1.36
		M	452	1180	84		7.7	1.28
	115	F	520	1660	170		11.4	1.18
		F	508	1540	105		7.3	1.17
		F	500	1740	110		6.7	1.39
		F	500	1480	130		9.6	1.18
		F	494	1460	120		9.0	1.21
		F	490	1660	125		8.1	1.41
		F	484	1440	125		9.5	1.27
		F	482	1500	125		9.1	1.34
		F	482	1360	120		9.7	1.21
		F	480	1380	145		11.7	1.25
		F	470	1240	135		12.2	1.19
		F	464	1340	115		9.4	1.34
		F	462	1320	115		9.5	1.34
		F	454	1320	120		10.0	1.41
		F	450	1140	110		10.7	1.25
		F	440	1220	93		8.3	1.43
		F	440	1100	15		1.4	1.29
		F	434	1240	80		6.9	1.52
		M	582	1480	33		2.3	0.75
		M	570	1360	59		4.5	0.73
		M	514	1940	130		7.2	1.43
		M	514	1760	13		0.7	1.30
		M	492	1540	110		7.7	1.29
		M	486	1460	81		5.9	1.27
		M	464	1220	85		7.5	1.22
		M	458	1240	89		7.7	1.29
		M	452	1120	55		5.2	1.21
		M	450	1380	67		5.1	1.51
		M	440	1260	100		8.6	1.48
		M	432	1140	61		5.7	1.41
	112	F	516	1740	145		9.1	1.27
		F	510	1780	105		6.3	1.34
		F	498	1520	120		8.6	1.23
		F	498	1420	88		6.6	1.15
		F	490	1420	135		10.5	1.21
		F	490	1320	155		13.3	1.12
		F	484	1420	130		10.1	1.25
		F	482	1480	115		8.4	1.32
		F	480	1520	135		9.7	1.37
		F	474	1480	120		8.8	1.39
		F	470	1360	150		12.4	1.31
		F	464	1360	150		12.4	1.36
		F	464	1120	69		6.6	1.12
		F	462	1220	91		8.1	1.24
		F	454	1320	115		9.5	1.41
		F	454	1260	115		10.0	1.35
		F	446	1120	125		12.6	1.26
		F	440	1120	91		8.8	1.31
		F	440	1080	71		7.0	1.27
		M	514	1640	135		9.0	1.21
		M	504	1760	120		7.3	1.37
		M	500	1500	24		1.6	1.20
		M	490	1780	135		8.2	1.51
		M	480	1440	125		9.5	1.30
		M	460	1280	49		4.0	1.32
		M	458	1320	38		3.0	1.37
		M	454	1380	27		2.0	1.47
		M	454	1180	86		7.9	1.26
		M	444	1040	46		4.6	1.19
		M	424	1080	72		7.1	1.42
	106-C	F	488	1500	150		11.1	1.29
		F	464	1360	125		10.1	1.36
		F	428	960	68		7.6	1.22
		M	492	1540	90		6.2	1.29
		M	468	1140	125		12.3	1.11
		M	453	1220	58		5.0	1.31
		M	416	840	84		11.1	1.17
	93-C	F	496	1700	110		6.9	1.39
		M	486	1500	99		6.5	1.31
		M	460	1220	80		7.0	1.25
	82-C	M	444	1120	53		5.0	1.28
G22	157-C	M	512	1840	175		10.5	1.37
	138-	M	492	1460	120		9.0	1.23
	124	F	514	1940	155		8.7	1.43
		F	500	1640	125		8.3	1.31
		F	490	1600	125		8.5	1.36
		F	490	1540	125		8.8	1.31
		F	488	1400	115		8.9	1.20
		F	484	1580	115		7.8	1.39
		F	482	1500	140		10.3	1.34
		F	480	1400	130		10.2	1.27
		F	478	1360	120		9.7	1.25
		F	476	1540	125		8.8	1.43
		F	476	1380	165		13.6	1.28
		F	476	1240	98		8.6	1.15
		F	472	1400	140		11.1	1.33
		F	472	1340	135		11.2	1.27
		F	470	1320	115		9.5	1.27
		F	464	1360	110		8.8	1.36

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	454	1300	84		6.9	1.39
		M	554	2200	155		7.6	1.29
		M	530	2300	120		5.5	1.54
		M	510	1840	75		4.2	1.39
		M	498	1500	42		2.9	1.21
		M	490	1560	41		2.7	1.33
		M	490	1120	85		8.2	0.95
		M	486	1360	52		4.0	1.18
		M	484	1540	110		7.7	1.36
		M	474	1400	58		4.3	1.31
		M	474	1320	44		3.4	1.24
		M	466	1280	115		9.9	1.26
		M	430	1100	79		7.7	1.38
	121	F	504	1700	125		7.9	1.33
		F	500	1680	105		6.7	1.34
		F	500	1660	150		9.9	1.33
		F	500	1600	155		10.7	1.28
		F	492	1540	130		9.2	1.29
		F	480	1340	120		9.8	1.21
		F	478	1380	135		10.8	1.26
		F	476	1500	120		8.7	1.39
		F	476	1340	115		9.4	1.24
		F	476	1300	145		12.6	1.21
		F	474	1400	92		7.0	1.31
		F	474	1340	70		5.5	1.26
		F	466	1300	120		10.2	1.28
		F	462	2880	105		3.8	2.92
		F	460	1340	135		11.2	1.38
		F	442	1180	115		10.8	1.37
		M	520	1640	89		5.7	1.17
		M	512	1840	88		5.0	1.37
		M	506	1660	40		2.5	1.28
		M	502	1400	49		3.6	1.11
		M	500	1740	77		4.6	1.39
		M	500	1460	120		9.0	1.17
		M	476	1500	110		7.9	1.39
		M	472	1420	115		8.8	1.35
		M	472	1420	87		6.5	1.35
		M	464	1340	69		5.4	1.34
		M	456	1300	110		9.2	1.37
		M	446	1380	67		5.1	1.36
		M	446	1080	25		2.4	1.22
		M	442	1140	65		6.0	1.32
	121-C	F	502	1620	150		10.2	1.28
		F	497	1620	110		7.3	1.32
		F	484	1580	140		9.7	1.39
		F	484	1520	130		9.4	1.34
		F	470	1480	130		9.6	1.43
		F	466	1240	98		8.6	1.23
		M	487	1420	80		6.0	1.23
		M	454	1180	115		10.8	1.26
	115	F	504	1800	86		5.0	1.41
		F	494	1660	145		9.6	1.38
		F	492	1600	140		9.6	1.34
		F	482	1440	125		9.5	1.29
		F	480	1420	135		10.5	1.28
		F	478	1480	150		11.3	1.36
		F	476	1460	130		9.8	1.35
		F	476	1400	170		13.8	1.30
		F	476	1380	135		10.8	1.28
		F	474	1280	130		11.3	1.20
		F	470	1300	68		5.5	1.25
		F	464	1300	125		10.6	1.30
		F	462	1300	125		10.6	1.32
		F	462	1220	115		10.4	1.24
		F	452	1350	115		9.3	1.46
		F	452	1140	96		9.2	1.23
		F	438	1140	145		14.6	1.36
		M	522	1940	45		2.4	1.36
		M	518	1700	52		3.2	1.22
		M	516	1640	85		5.5	1.19
		M	514	1660	125		8.1	1.22
		M	504	1760	115		7.0	1.37
		M	500	1600	130		8.8	1.28
		M	500	1500	62		4.3	1.20
		M	496	1800	96		5.6	1.48
		M	486	1600	115		7.7	1.39
		M	482	1500	82		5.8	1.34
		M	464	1180	85		7.8	1.18
		M	456	1300	67		5.4	1.37
		M	454	1200	89		8.0	1.28
	112	F	500	1520	140		10.1	1.22
		F	494	1640	140		9.3	1.36
		F	488	1600	145		10.0	1.38
		F	478	1300	150		13.0	1.19
		F	474	1100	115		11.7	1.03
		F	468	1380	155		12.7	1.35
		F	466	1300	135		11.6	1.28
		F	466	1300	115		9.7	1.28
		F	462	1300	92		7.6	1.32
		F	462	1250	87		7.5	1.27
		F	460	1280	96		8.1	1.32
		F	458	1320	86		7.0	1.37
		F	456	1320	125		10.5	1.39
		F	456	1220	130		11.9	1.29
		F	452	1160	89		8.3	1.26
		F	448	1060	72		7.3	1.18
		F	444	1080	120		12.5	1.23
		M	506	1700	110		6.9	1.31
		M	504	1660	83		5.3	1.30
		M	484	1600	67		4.4	1.41
		M	474	1340	89		7.1	1.26
		M	466	1300	69		5.6	1.28
		M	462	1200	55		4.8	1.22
		M	460	1160	56		5.1	1.19
		M	456	1200	67		5.9	1.27
		M	450	1200	65		5.7	1.32
		M	448	1140	79		7.4	1.27
		M	448	1020	71		7.5	1.13
		M	440	1130	71		6.7	1.33
		M	430	1020	73		7.7	1.28
	106-C	F	500	1520	76		5.3	1.22
		F	488	1420	140		10.9	1.22
		F	480	1460	175		13.6	1.32
		F	472	1320	135		11.4	1.26
		F	472	1280	125		10.8	1.22
		F	450	1180	42		3.7	1.29
		F	450	1020	87		9.3	1.12
		M	530	1880	23		1.2	1.26
		M	510	1840	45		2.5	1.39
		M	454	1120	74		7.1	1.20
		M	440	1060	81		8.3	1.24
	93-C	F	472	1340	130		10.7	1.27
		F	436	1080	105		10.8	1.30
		F	403	720	44		6.5	1.10
		M	456	1080	61		6.0	1.14
		M	442	1120	78		7.5	1.30
		M	420	760	47		6.6	1.03
G23	157-C	F	484	1500	100		7.1	1.32
		M	530	1900	140		8.0	1.28
	138-C	M	544	2260	150		7.1	1.40
		M	520	1800	100		5.9	1.28
		M	504	1780	135		8.2	1.39
		M	486	1520	95		6.7	1.32
	124	F	504	1680	130		8.4	1.31
		F	500	1540	175		12.8	1.23
		F	500	1480	145		10.9	1.18
		F	494	1660	110		7.1	1.38
		F	492	1560	86		5.8	1.31
		F	490	1600	180		12.7	1.36

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	490	1540	130		9.2	1.31
		F	490	1420	130		10.1	1.21
		F	488	1540	125		8.8	1.33
		F	486	1640	140		9.3	1.43
		F	484	1460	125		9.4	1.29
		F	484	1440	115		8.7	1.27
		F	484	1420	120		9.2	1.25
		F	480	1440	130		9.9	1.30
		F	476	1480	145		10.9	1.37
		F	474	1280	105		8.9	1.20
		F	466	1420	140		10.9	1.40
		F	462	1240	130		11.7	1.26
		F	456	1220	145		13.5	1.29
		F	454	1140	77		7.2	1.22
		F	452	1140	115		11.2	1.23
		M	526	1980	69		3.6	1.36
		M	490	1660	62		3.9	1.41
		M	482	1380	78		6.0	1.23
		M	474	1420	48		3.5	1.33
		M	470	1380	60		4.5	1.33
		M	464	1360	82		6.4	1.36
		M	462	1320	130		10.9	1.34
		M	462	1260	83		7.1	1.28
		M	424	1040	30		3.0	1.36
	121	F	530	1940	160		9.0	1.30
		F	520	1840	125		7.3	1.31
		F	516	1740	125		7.7	1.27
		F	500	1520	120		8.6	1.22
		F	500	1480	110		8.0	1.18
		F	494	1540	105		7.3	1.28
		F	484	1280	145		12.8	1.13
		F	470	1360	120		9.7	1.31
		F	470	1220	95		8.4	1.18
		F	466	1240	115		10.2	1.23
		F	464	1240	115		10.2	1.24
		F	462	1320	185		16.3	1.34
		F	462	1240	140		12.7	1.26
		F	454	1200	125		11.6	1.28
		F	454	1080	165		18.0	1.15
		F	450	1180	115		10.8	1.29
		F	440	1140	120		11.8	1.34
		M	516	1740	92		5.6	1.27
		M	516	1740	92		5.6	1.27
		M	510	1780	57		3.3	1.34
		M	500	1740	93		5.6	1.39
		M	500	1720	93		5.7	1.38
		M	500	1480	53		3.7	1.18
		M	492	1380	85		6.6	1.16
		M	474	1260	64		5.4	1.18
		M	470	1340	95		7.6	1.29
		M	470	1080	87		8.8	1.04
		M	462	1260	68		5.7	1.28
		M	460	1240	42		3.5	1.27
		M	436	1060	38		3.7	1.28
		M	424	960	83		9.5	1.26
	121-C	F	498	1460	140		10.6	1.18
		F	474	1500	150		11.1	1.41
		F	458	1220	115		10.4	1.27
		F	450	1200	100		9.1	1.32
		F	442	1300	145		12.6	1.51
		M	514	1940	75		4.0	1.43
	115	F	492	1580	160		11.3	1.33
		F	488	1460	130		9.8	1.26
		F	486	1760	115		7.0	1.53
		F	486	1620	130		8.7	1.41
		F	486	1580	160		11.3	1.38
		F	478	1480	125		9.2	1.36
		F	476	1380	165		13.6	1.28
		F	474	1380	135		10.8	1.30
		F	472	1020	89		9.6	0.97

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	470	1420	150		11.8	1.37
		F	470	1200	115		10.6	1.16
		F	464	1200	130		12.1	1.20
		F	464	1160	100		9.4	1.16
		F	462	1120	97		9.5	1.14
		F	460	1320	125		10.5	1.36
		F	456	1140	98		9.4	1.20
		F	454	1120	120		12.0	1.20
		F	450	1220	81		7.1	1.34
		F	450	1120	110		10.9	1.23
		F	444	980	66		7.2	1.12
		F	442	1020	53		5.5	1.18
		M	524	1960	105		5.7	1.36
		M	500	1580	110		7.5	1.26
		M	490	1740	58		3.4	1.48
		M	476	1420	83		6.2	1.32
		M	456	1240	92		8.0	1.31
		M	452	1040	26		2.6	1.13
		M	410	940	55		6.2	1.36
	112	F	510	1780	170		10.6	1.34
		F	494	1480	140		10.4	1.23
		F	494	1480	135		10.0	1.23
		F	490	1460	91		6.6	1.24
		F	490	1340	110		8.9	1.14
		F	490	1320	125		10.5	1.12
		F	480	1360	110		8.8	1.23
		F	480	1320	105		8.6	1.19
		F	470	1440	115		8.7	1.39
		F	470	1380	115		9.1	1.33
		F	470	1340	120		9.8	1.29
		F	470	1220	125		11.4	1.18
		F	468	1320	115		9.5	1.29
		F	464	1180	110		10.3	1.18
		F	460	1240	68		5.8	1.27
		F	458	1240	96		8.4	1.29
		F	454	1240	120		10.7	1.33
		F	454	1100	79		7.7	1.18
		F	452	1240	115		10.2	1.34
		F	440	1180	120		11.3	1.39
		M	520	1960	78		4.1	1.39
		M	510	1820	96		5.6	1.37
		M	510	1560	135		9.5	1.18
		M	472	1380	105		8.2	1.31
		M	466	1180	28		2.4	1.17
		M	464	1280	110		9.4	1.28
		M	458	1260	94		8.1	1.31
		M	454	1280	80		6.7	1.37
		M	450	1120	86		8.3	1.23
		M	440	960	87		10.0	1.13
	106-C	F	500	1440	125		9.5	1.15
		F	486	1480	130		9.6	1.29
		F	484	1380	78		6.0	1.22
		F	480	1240	145		13.2	1.12
		F	476	1360	115		9.2	1.26
		F	474	1200	115		10.6	1.13
		F	472	940	83		9.7	0.89
		F	470	1300	120		10.2	1.25
		F	460	1240	130		11.7	1.27
		F	460	960	120		14.3	0.99
		F	444	1140	120		11.8	1.30
		F	444	940	97		11.5	1.07
		F	432	1140	97		9.3	1.41
		F	410	920	95		11.5	1.33
		M	516	1880	110		6.2	1.37
		M	500	1440	38		2.7	1.15
		M	460	1180	58		5.2	1.21
	93-C	F	498	1640	160		10.8	1.33
		F	474	1360	150		12.4	1.28
		F	470	1340	150		12.6	1.29
		F	462	1220	160		15.1	1.24

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	458	1100	65		6.3	1.14
		F	452	1260	155		14.0	1.35
		F	448	1220	105		9.4	1.36
		F	438	1140	68		6.3	1.36
		F	436	880	95		12.1	1.06
		F	414	860	100		13.2	1.21
		M	522	1740	125		7.7	1.22
		M	406	880	44		5.3	1.31
	82-C	F	482	860	60		7.5	0.77
	72-C	M	400	760	40		5.6	1.19
G24	157-C	F	478	1420	145		11.4	1.30
		M	510	1820	190		11.7	1.37
	138-C	F	506	1840	175		10.5	1.42
		F	502	1600	175		12.3	1.26
		F	486	1500	145		10.7	1.31
		M	526	2000	140		7.5	1.37
	124	F	508	1660	170		11.4	1.27
		F	506	1920	130		7.3	1.48
		F	506	1660	160		10.7	1.28
		F	490	1520	170		12.6	1.29
		F	490	1520	125		9.0	1.29
		F	490	1400	150		12.0	1.19
		F	484	1420	115		8.8	1.25
		F	480	1580	145		10.1	1.43
		F	478	1560	110		7.6	1.43
		F	476	1420	135		10.5	1.32
		F	474	1340	140		11.7	1.26
		F	470	1380	155		12.7	1.33
		F	470	1260	135		12.0	1.21
		F	468	1360	120		9.7	1.33
		F	466	1340	140		11.7	1.32
		F	466	1240	125		11.2	1.23
		F	464	1320	125		10.5	1.32
		F	464	1220	115		10.4	1.22
		F	460	1260	125		11.0	1.29
		F	460	1180	105		9.8	1.21
		F	454	1240	115		10.2	1.33
		F	450	1180	96		8.9	1.29
		M	538	2120	180		9.3	1.36
		M	506	1480	115		8.4	1.14
		M	492	1440	84		6.2	1.21
		M	480	1560	93		6.3	1.41
		M	474	1460	105		7.7	1.37
		M	464	1160	110		10.5	1.16
		M	450	1140	97		9.3	1.25
		M	440	980	82		9.1	1.15
	121	F	502	1380	105		8.2	1.09
		F	500	1480	120		8.8	1.18
		F	496	1640	135		9.0	1.34
		F	494	1580	165		11.7	1.31
		F	492	1320	150		12.8	1.11
		F	490	1420	110		8.4	1.21
		F	484	1540	155		11.2	1.36
		F	484	1540	130		9.2	1.36
		F	482	1460	110		8.1	1.30
		F	480	1220	97		8.6	1.10
		F	476	1240	130		11.7	1.15
		F	474	1240	120		10.7	1.16
		F	474	1220	130		11.9	1.15
		F	472	1520	130		9.4	1.45
		F	472	1400	115		8.9	1.33
		F	472	1340	125		10.3	1.27
		F	472	1280	110		9.4	1.22
		F	470	1320	92		7.5	1.27
		F	466	1420	110		8.4	1.40
		F	464	1220	140		13.0	1.22
		F	464	1180	115		10.8	1.18
		F	462	1280	105		8.9	1.30
		F	460	1120	82		7.9	1.15
		F	454	1240	140		12.7	1.33
NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	454	1240	125		11.2	1.33
		F	448	1040	110		11.8	1.16
		M	470	1140	46		4.2	1.10
		M	452	1220	67		5.8	1.32
		M	446	1160	98		9.2	1.31
		M	434	1000	78		8.5	1.22
	121-C	F	504	1600	160		11.1	1.25
		F	490	1540	150		10.8	1.31
		F	480	1460	100		7.4	1.32
		F	476	1340	94		7.5	1.24
		F	460	1320	120		10.0	1.36
		F	450	1300	120		10.2	1.43
		M	474	1440	120		9.1	1.35
		M	452	1060	82		8.4	1.15
		M	450	1240	97		8.5	1.36
	115	F	518	1740	130		8.1	1.25
		F	516	1540	145		10.4	1.12
		F	500	1580	145		10.1	1.26
		F	498	1420	115		8.8	1.15
		F	496	1260	110		9.6	1.03
		F	490	1520	115		8.2	1.29
		F	490	1280	140		12.3	1.09
		F	480	1340	115		9.4	1.21
		F	474	1320	145		12.3	1.24
		F	472	1240	120		10.7	1.18
		F	470	1360	145		11.9	1.31
		F	470	1360	130		10.6	1.31
		F	466	1180	115		10.8	1.17
		F	464	1380	140		11.3	1.38
		F	464	1340	135		11.2	1.34
		F	460	1180	140		13.5	1.21
		F	460	1160	105		10.0	1.19
		F	456	1480	130		9.6	1.56
		F	456	1240	110		9.7	1.31
		F	456	1160	145		14.3	1.22
		F	454	1220	125		11.4	1.30
		F	450	1160	105		10.0	1.27
		F	450	1140	84		8.0	1.25
		F	450	1120	110		10.9	1.23
		F	446	1140	105		10.1	1.28
		F	446	1080	120		12.5	1.22
		M	534	2040	145		7.7	1.34
		M	500	1520	54		3.7	1.22
		M	498	1740	180		11.5	1.41
		M	444	1140	87		8.3	1.30
	112	F	506	1660	175		11.8	1.28
		F	494	1540	185		13.7	1.28
		F	492	1380	145		11.7	1.16
		F	490	1420	160		12.7	1.21
		F	490		135			
		F	486	1240	105		9.3	1.08
		F	484	1320	165		14.3	1.16
		F	482	1400	125		9.8	1.25
		F	482	1340	79		6.3	1.20
		F	480	1480	145		10.9	1.34
		F	480	1420	120		9.2	1.28
		F	480	1360	125		10.1	1.23
		F	476	1280	115		9.9	1.19
		F	474	1480	130		9.6	1.39
		F	474	1260	120		10.5	1.18
		F	472	1320	135		11.4	1.26
		F	470	1360	115		9.2	1.31
		F	470	1220	115		10.4	1.18
		F	466	1380	130		10.4	1.36
		F	464	1320	110		9.1	1.32
		F	464	1220	105		9.4	1.22
		F	460	1220	90		8.0	1.25
		F	460	1180	105		9.8	1.21
		F	450	1200	115		10.6	1.32
		M	514	1680	11.		7.3	1.24

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	494	1620	98		6.4	1.34
		M	492	1420	80		6.0	1.19
		M	470	1120	79		7.6	1.08
		M	446	1120	110		10.9	1.26
		M	436	1020	41		4.2	1.23
	106-C	F	504	1620	145		9.8	1.27
		F	482	1220	110		9.9	1.09
		F	480	1440	98		7.3	1.30
		F	474	1240	130		11.7	1.16
		F	466	1260	140		12.5	1.25
		F	464	1240	125		11.2	1.24
		F	462	1200	115		10.6	1.22
		F	462	1140	100		9.6	1.16
		F	458	1100	110		11.1	1.14
		F	454	1100	100		10.0	1.18
		F	450	1060	96		10.0	1.16
		F	440	1020	135		15.3	1.20
		M	460	1400	130		10.2	1.44
		M	444	940	60		6.8	1.07
	93-C	F	506	1640	165		11.2	1.27
		F	500	1580	165		11.7	1.26
		F	500	1520	135		9.7	1.22
		F	494	1340	130		10.7	1.11
		F	493	1440	130		9.9	1.20
		F	490	1540	115		8.1	1.31
		F	490	1460	175		13.6	1.24
		F	490	1360	135		11.0	1.16
		F	484	1320	105		8.6	1.16
		F	482	1340	120		9.8	1.20
		F	482	1320	125		10.5	1.18
		F	480	1440	125		9.5	1.30
		F	480	1380	140		11.3	1.25
		F	474	1420	165		13.1	1.33
		F	474	1380	120		9.5	1.30
		F	474	1300	125		10.6	1.22
		F	472	1400	145		11.6	1.33
		F	472	1300	135		11.6	1.24
		F	470	1320	145		12.3	1.27
		F	470	1320	125		10.5	1.27
		F	470	1240	120		10.7	1.19
		F	470	1220	105		9.4	1.16
		F	464	1420	145		11.4	1.42
		F	452	1320	125		10.5	1.43
		F	450	1220	115		10.4	1.34
		F	440	940	105		12.6	1.10
		F	430	880	91		11.5	1.11
		M	484	1460	110		8.1	1.29
		M	454	1200	135		12.7	1.28
		M	450	1220	120		10.9	1.34
		F	502					
		F	464					
		F	444					
		F	442					
		M	504					
		M	466					
	82-C	F	450	1200	125		11.6	1.32
		F	442	1160	140		13.7	1.34
		F	440	1000	115		13.0	1.17
		F	434	1000	105		11.7	1.22
		F	430	760	68		9.8	0.96
	72-C	F	480	1340	135		11.2	1.21
		F	420	900	74		9.0	1.21
G25	157-C	M	522	2040	175		9.4	1.43
	138-C	F	496	1400	160		12.9	1.15
		F	486	1520	150		10.9	1.32
		F	482	1540	160		11.6	1.38
		F	480	1520	130		9.4	1.37
		F	474	1320	170		14.8	1.24
		F	454	1120	120		12.0	1.20
		M	556	2160	180		9.1	1.26
		M	526	1780	115		6.9	1.22
		M	512	1620	105		6.9	1.21
		M	500	1220	46		3.9	0.98
		M	500	1480	52		3.6	1.18
	124	F	510	1780	205		13.0	1.34
		F	504	1680	95		6.0	1.31
		F	500	1620	190		13.3	1.30
		F	500	1440	120		9.1	1.15
		F	496	1420	125		9.7	1.16
		F	494	1560	140		9.9	1.29
		F	494	1560	120		8.3	1.29
		F	494	1480	145		10.9	1.23
		F	484	1460	105		7.7	1.29
		F	484	1420	135		10.5	1.25
		F	482	1480	155		11.7	1.32
		F	480	1420	160		12.7	1.28
		F	480	1360	105		8.4	1.23
		F	476	1340	145		12.1	1.24
		F	474	1160	110		10.5	1.09
		F	472	1360	120		9.7	1.29
		F	462	1320	110		9.1	1.34
		F	462	1240	120		10.7	1.26
		F	460	1260	125		11.0	1.29
		F	458	1220	165		15.6	1.27
		F	452	1080	110		11.3	1.17
		F	440	1140	97		9.3	1.34
		F	440	1120	120		12.0	1.31
		M	526	2060	120		6.2	1.42
		M	480	1480	125		9.2	1.34
		M	476	1440	120		9.1	1.34
		M	476	1260	92		7.9	1.17
		M	460	1220	84		7.4	1.25
		M	452	1080	90		9.1	1.17
		M	444	1000	71		7.6	1.14
	121	F	516		125			
		F	510	1560	170		12.2	1.18
		F	496	1540	165		12.0	1.26
		F	496	1240	105		9.3	1.02
		F	494	1420	150		11.8	1.18
		F	490	1540	155		11.2	1.31
		F	480	1460	150		11.5	1.32
		F	480	1180	140		13.5	1.07
		F	474	1260	170		15.6	1.18
		F	470	1280	125		10.8	1.23
		F	470	1240	115		10.2	1.19
		F	470	1220	115		10.4	1.18
		F	468	1180	125		11.6	1.15
		F	460	1360	145		11.9	1.40
		F	460	1320	150		12.8	1.36
		F	456	1140	135		13.4	1.20
		F	452	1080	93		9.4	1.17
		M	504	1680	65		4.0	1.31
		M	500	1460	88		6.4	1.17
		M	490	1540	72		4.9	1.31
		M	490	1480	17		1.2	1.26
		M	484	1620	165		11.3	1.43
		M	484	1320	135		11.4	1.16
		M	482	1540	135		9.6	1.38
		M	480	1380	135		10.8	1.25
		M	480	1170	89		8.2	1.06
		M	468	1240	125		11.2	1.21
		M	456	1180	91		8.4	1.24
		M	450	1020	115		12.7	1.12
	121-C	F	502	1580	145		10.1	1.25
		F	500	1520	125		9.0	1.22
		F	496	1680	145		9.4	1.38
		F	492	1560	125		8.7	1.31
		F	490	1400	135		10.7	1.19
		F	484	1380	125		10.0	1.22
		F	482	1380	120		9.5	1.23

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	480	1360	155		12.9	1.23
		F	478	1480	130		9.6	1.36
		F	476	1320	130		10.9	1.22
		F	472	1340	130		10.7	1.27
		F	460	1240	115		10.2	1.27
		F	460	960	91		10.5	0.99
		M	484	1440	140		10.8	1.27
		M	482	1480	120		8.8	1.32
		M	480	1340	49		3.8	1.21
	115	F	510	1720	165		10.6	1.30
		F	496	1620	160		11.0	1.33
		F	494	1640	125		8.3	1.36
		F	490	1440	135		10.3	1.22
		F	490	1420	145		11.4	1.21
		F	480	1440	165		12.9	1.30
		F	480	1320	140		11.9	1.19
		F	478	1400	140		11.1	1.28
		F	474	1480	125		9.2	1.39
		F	472	1540	150		10.8	1.46
		F	470	1340	120		9.8	1.29
		F	470	1280	135		11.8	1.23
		F	470	1280	125		10.8	1.23
		F	468	1240	120		10.7	1.21
		F	460	1280	105		8.9	1.32
		F	460	1220	110		9.9	1.25
		F	452	1280	125		10.8	1.39
		F	452	1260	120		10.5	1.36
		F	440	1040	130		14.3	1.22
		F	430	980	74		8.2	1.23
		M	540	2120	185		9.6	1.35
		M	494	1540	66		4.5	1.28
		M	490	1320	105		8.6	1.12
		M	480	1220	115		10.4	1.10
		M	476	1340	110		8.9	1.24
		M	474	1400	110		8.5	1.31
		M	464	1220	125		11.4	1.22
		M	452	1120	58		5.5	1.21
		M	450	1220	125		11.4	1.34
		M	442	1040	62		6.3	1.20
	112	F	514	1840				1.35
		F	512	1520	170		12.6	1.13
		F	512	1520	115		8.2	1.13
		F	506	1460	105		7.7	1.13
		F	492	1540	145		10.4	1.29
		F	484	1480	135		10.0	1.31
		F	482	1400	145		11.6	1.25
		F	482	1360	140		11.5	1.21
		F	480	1440	115		8.7	1.30
		F	480	1340	155		13.1	1.21
		F	472	1220	120		10.9	1.16
		F	470	1380	180		15.0	1.33
		F	470	1380	110		8.7	1.33
		F	470	1260	140		12.5	1.21
		F	466	1320	160		13.8	1.30
		F	466	1140	125		12.3	1.13
		F	458	1240	120		10.7	1.29
		F	450	1140	130		12.9	1.25
		F	446	1140	110		10.7	1.28
		F	446	1020	140		15.9	1.15
		F	446	980	140		16.7	1.10
		F	436	1080	105		10.8	1.30
		M	502	1720	67		4.1	1.36
		M	482	1280	110		9.4	1.14
		M	476	1440	52		3.7	1.34
		M	472	1320	70		5.6	1.26
		M	470	1260	110		9.6	1.21
		M	460	1180	100		9.3	1.21
		M	446	1160	110		10.5	1.31
		M	420	1020	76		8.1	1.38
	106-C	F	500	1540	155		11.2	1.23
		F	500	1520	140		10.1	1.22
		F	492	1360	145		11.9	1.14
		F	490	1340	140		11.7	1.14
		F	486	1440	155		12.1	1.25
		F	480	1260	125		11.0	1.14
		F	480	1260	115		10.0	1.14
		F	474	1340	145		12.1	1.26
		F	472	1360	105		8.4	1.29
		F	470	1260	135		12.0	1.21
		F	470	1180	120		11.3	1.14
		F	468	1280	120		10.3	1.25
		F	464	1220	100		8.9	1.22
		F	464	1220	60		5.2	1.22
		F	464					
		F	462	1380	135		10.8	1.40
		F	454	1320	150		12.8	1.41
		F	454	1100	105		10.6	1.18
		F	454					
		F	452	1440	105		7.9	1.56
		F	450	1020	57		5.9	1.12
		F	448	1080	110		11.3	1.20
		F	440	1040	86		9.0	1.22
		F	424	940	90		10.6	1.23
		F	402	880	79		9.9	1.35
		M	520	2660	160		6.4	1.89
		M	484	1460	140		10.6	1.29
		M	482	1300	63		5.1	1.16
		M	474	1280	88		7.4	1.20
		M	450	980	41		4.4	1.08
		M	442	1220	88		7.8	1.41
		M	436	880	43		5.1	1.06
	93-C	F	500	1480	120		8.8	1.18
		F	480	1400	115		8.9	1.27
		F	476	1280	155		13.8	1.19
		F	472	1420	145		11.4	1.35
		F	470	1280	120		10.3	1.23
		F	464	1160	115		11.0	1.16
		F	464	1060	89		9.2	1.06
		F	460	1280	140		12.3	1.32
		F	456	920	69		8.1	0.97
		F	454	1140	110		10.7	1.22
		F	432	860	80		10.3	1.07
		F	424	880	87		11.0	1.15
		F	424	780	105		15.6	1.02
		M	472	1240	125		11.2	1.18
		M	460	1080	110		11.3	1.11
	82-C	F	490	1360	115		9.2	1.16
		F	468	1220	93		8.3	1.19
		F	466	1280	120		10.3	1.26
		F	454	1020	105		11.5	1.09
		F	450	1060	93		9.6	1.16
		F	450	1020	110		12.1	1.12
		F	436	1060	89		9.2	1.28
		F	424	780	94		13.7	1.02
		M	456	1060	115		12.2	1.12
		M	434	920	45		5.1	1.13
		M	410	800	50		6.7	1.16
	72-C	F	402	1140	125		12.3	1.75
	L-L	F	544	1060	115		12.2	0.66
		F	488	1440	120		9.1	1.24
		F	486	1400	135		10.7	1.22
		F	480	1270	145		12.9	1.15
		F	472	1260	155		14.0	1.20
		F	472	1220	135		12.4	1.16
		F	470	1180	96		8.9	1.14
		F	465	1300	120		10.2	1.29
		F	462	1260	53		4.4	1.28
		F	461	1180	110		10.3	1.20
		F	460	1200	130		12.1	1.23
		F	460	1080	73		7.2	1.11

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	457	1000	58		6.2	1.05
		F	448	940	43		4.8	1.05
		F	444	850	81		10.5	0.97
		M	555	2480	140		6.0	1.45
		M	526	1850	160		9.5	1.27
		M	521	1740	125		7.7	1.23
		M	516	2080	84		4.2	1.51
		M	483	1300	54		4.3	1.15
		M	478	1260	13		1.0	1.15
		M	462	1220	76		6.6	1.24
G26	157-C	F	500	1420	165		13.1	1.14
		F	464	1120	100		9.8	1.12
		M	560	2060	130		6.7	1.17
		M	550	1940	135		7.5	1.17
		M	540	2080	110		5.6	1.32
		M	534	2340	280		13.6	1.54
		M	520	2220	215		10.7	1.58
		M	516	1940	150		8.4	1.41
		M	504	1700	135		8.6	1.33
	138-C	F	510	1760	155		9.7	1.33
		F	508	1780	195		12.3	1.36
		F	500	1740	155		9.8	1.39
		F	500	1660	155		10.3	1.33
		F	498	1560	145		10.2	1.26
		F	492	1320	140		11.9	1.11
		F	490	1420	150		11.8	1.21
		M	544	2040	105		5.4	1.27
		M	524	1940	155		8.7	1.35
		M	510	1960	160		8.9	1.48
		M	500	1760	94		5.6	1.41
		M	496	1560	135		9.5	1.28
		M	494	1520	145		10.5	1.26
		M	490	1580	120		8.2	1.34
		M	464	1220	105		9.4	1.22
		M	424	1880	145		8.4	2.47
		M	424	1760	74		4.4	2.31
	124	F	510	1500	190		14.5	1.13
		F	500	1620	210		14.9	1.30
		F	500	1440	130		9.9	1.15
		F	496	1460	155		11.9	1.20
		F	494	1500	115		8.3	1.24
		F	494	1440	140		10.8	1.19
		F	494	1400	105		8.1	1.16
		F	492	1400	140		11.1	1.18
		F	490	1560	140		9.9	1.33
		F	490	1460	155		11.9	1.24
		F	484	1520	165		12.2	1.34
		F	484	1420	115		8.8	1.25
		F	482	1500	175		13.2	1.34
		F	482	1400	130		10.2	1.25
		F	480	1260	130		11.5	1.14
		F	472	1320	170		14.8	1.26
		F	462	1280	145		12.8	1.30
		F	454	1100	145		15.2	1.18
		M	562	1060	155		17.1	0.60
		M	550	2160	155		7.7	1.30
		M	524	1780	185		11.6	1.24
		M	520	2100	125		6.3	1.49
		M	516	1960	155		8.6	1.43
		M	514	1520	90		6.3	1.12
		M	500	1560	125		8.7	1.25
		M	494	1580	150		10.5	1.31
		M	490	1480	100		7.2	1.26
		M	490	1440	130		9.9	1.22
		M	468	1620	115		7.6	1.58
	121	F	502	1640	165		11.2	1.30
		F	496	1440	200		16.1	1.18
		F	494	1540	170		12.4	1.28
		F	490	1420	120		9.2	1.21
		F	486	1460	150		11.5	1.27

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	486	1420	140		10.9	1.24
		F	484	1520	165		12.2	1.34
		F	482	1300	150		13.0	1.16
		F	480	1400	140		11.1	1.27
		F	480	1320	120		10.0	1.19
		F	476	1340	150		12.6	1.24
		F	476	1320	125		10.5	1.22
		F	474	1320	130		10.9	1.24
		F	474	1280	160		14.3	1.20
		F	470	1480	180		13.8	1.43
		F	468	1260	115		10.0	1.23
		F	458	1320	165		14.3	1.37
		F	454	1420	160		12.7	1.52
		F	454	1220	135		12.4	1.30
		F	452	1280	170		15.3	1.39
		F	452	1180	140		13.5	1.28
		F	450	1120	135		13.7	1.23
		M	572	2340	215		10.1	1.25
		M	544	2240	160		7.7	1.39
		M	514	1940	165		9.3	1.43
		M	500	1700	77		4.7	1.36
		M	492	1480	150		11.3	1.24
		M	470	1380	130		10.4	1.33
		M	470	1320	69		5.5	1.27
		M	440	1320	105		8.6	1.55
	121-C	F	502	1500	155		11.5	1.19
		F	500	1480	140		10.4	1.18
		F	500	1480	120		8.8	1.18
		F	498	1560	135		9.5	1.26
		F	494	1740	170		10.8	1.44
		F	492	1540	130		9.2	1.29
		F	492	1420	160		12.7	1.19
		F	490	1360	165		13.8	1.16
		F	490	1300	120		10.2	1.10
		F	488	1440	115		8.7	1.24
		F	482	1460	155		11.9	1.30
		F	480	1460	145		11.0	1.32
		F	480	1320	155		13.3	1.19
		F	474	1360	120		9.7	1.28
		F	474	1340	115		9.4	1.26
		F	474	1320	120		10.0	1.24
		F	474	1260	140		12.5	1.18
		F	470	1420	110		8.4	1.37
		F	470	1220	120		10.9	1.18
		F	468	1260	135		12.0	1.23
		F	458	1320	135		11.4	1.37
		F	454	1120	155		16.1	1.20
		F	452	1340	155		13.1	1.45
		F	450	1260	175		16.1	1.38
		F	450	1180	125		11.8	1.29
		F	450	1180	125		11.8	1.29
		M	480	1420	100		7.6	1.28
		M	470	1120	155		16.1	1.08
		M	454	1160	115		11.0	1.24
		M	434	2200	185		9.2	2.69
		F	502					
		F	496					
		F	492					
		F	476					
		F	474					
		F	472					
		M	464					
		M	450					
	115	F	520	1680	160		10.5	1.19
		F	500	1640	135		9.0	1.31
		F	500	1620	150		10.2	1.30
		F	498	1420	170		13.6	1.15
		F	492	1480	140		10.4	1.24
		F	490	1440	160		12.5	1.22
		F	490	1440	130		9.9	1.22

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	484	1500	145		10.7	1.32
		F	482	1360	100		7.9	1.21
		F	480	1220	160		15.1	1.10
		F	474	1440	135		10.3	1.35
		F	474	1360	180		13.5	1.28
		F	474	1320	145		12.5	1.24
		F	474	1260	205		19.4	1.18
		F	474	1160	105		10.0	1.09
		F	474	1060	120		12.8	1.00
		F	458	1320	125		10.5	1.37
		F	454	1160	115		11.0	1.24
		F	454	1040	93		9.8	1.11
		M	528	2180	185		9.3	1.48
		M	504	1520	140		10.1	1.19
		M	498	1580	130		9.0	1.28
		M	494	1480	120		8.8	1.23
		M	486	1520	55		3.8	1.32
		M	486	1360	155		12.9	1.18
		M	476	1220	105		9.4	1.13
		M	462	1220	105		9.4	1.24
		M	454	1120	110		10.9	1.20
		M	444	1160	100		9.4	1.33
	112	F	502	1520	165		12.2	1.20
		F	494	1680	165		10.9	1.39
		F	494	1620	210		14.9	1.34
		F	494	1380	175		14.5	1.14
		F	494	1380	155		12.7	1.14
		F	490	1640	175		11.9	1.39
		F	490	1540	180		13.2	1.31
		F	482	1520	145		10.5	1.36
		F	482	1440	150		11.6	1.29
		F	482	1420	125		9.7	1.27
		F	480	1460	185		14.5	1.32
		F	480	1380	145		11.7	1.25
		F	474	1340	135		11.2	1.26
		F	474	1320	140		11.9	1.24
		F	474	1280	120		10.3	1.20
		F	474	1260	105		9.1	1.18
		F	474	1240	140		12.7	1.16
		F	464	1280	125		10.8	1.28
		F	462	1180	155		15.1	1.20
		F	452	1340	150		12.6	1.45
		F	450	1140	110		10.7	1.25
		M	534	2220	155		7.5	1.46
		M	522	2000	170		9.3	1.41
		M	500	1680	165		10.9	1.34
		M	492	1460	170		13.2	1.23
		M	464	1320	130		10.9	1.32
		M	432	1860	115		6.6	2.31
	106-C	F	504	1500	140		10.3	1.17
		F	494	1320	135		11.4	1.09
		F	488	1480	130		9.6	1.27
		F	484	1420	130		10.1	1.25
		F	480	1440	145		11.2	1.30
		F	478	1520	145		10.5	1.39
		F	476	1240	145		13.2	1.15
		F	474	1340	125		10.3	1.26
		F	474	1260	120		10.5	1.18
		F	472	1120	115		11.4	1.07
		F	470	1420	125		9.7	1.37
		F	470	1380	150		12.2	1.33
		F	470	1320	115		9.5	1.27
		F	470	1240	125		11.2	1.19
		F	462	1240	145		13.2	1.26
		F	460	1220	155		14.6	1.25
		F	460	1160	155		15.4	1.19
		F	460	1020	73		7.7	1.05
		F	450	1160	33		2.9	1.27
		F	450	960	110		12.9	1.05
		F	430	940	105		12.6	1.18
		F	420	820	98		13.6	1.11
		M	530	1820	145		8.7	1.22
		M	510	1540	110		7.7	1.16
		M	490	1500	105		7.5	1.27
		M	486	1500	120		8.7	1.31
		M	482	1420	140		10.9	1.27
		M	456	1180	88		8.1	1.24
		M	454	1240	105		9.3	1.33
		M	454	1120	97		9.5	1.20
		F	490					
		F	480					
		F	476					
		F	474					
		F	468					
		F	454					
		F	422					
		M	520					
		M	506					
		M	480					
		M	450					
		M	420					
	93-C	F	500	1480	135		10.0	1.18
		F	496	1380	160		13.1	1.13
		F	494	1260	130		11.5	1.05
		F	490	1420	145		11.4	1.21
		F	484	1380	135		10.8	1.22
		F	482	1540	160		11.6	1.38
		F	482	1340	135		11.2	1.20
		F	474	1260	145		13.0	1.18
		F	470	1360	125		10.1	1.31
		F	470	1280	125		10.8	1.23
		F	470	1280	125		10.8	1.23
		F	464	1180	145		14.0	1.18
		F	464	1120	120		12.0	1.12
		F	460	1280	135		11.8	1.32
		F	460	1140	145		14.6	1.17
		F	456	1180	130		12.4	1.24
		F	454	1260	140		12.5	1.35
		F	454	1080	130		13.7	1.15
		F	450	980	110		12.6	1.08
		F	440	960	110		12.9	1.13
		M	544	2020	150		8.0	1.25
		M	536	2080	125		6.4	1.35
		M	494	1520	115		8.2	1.26
		M	494	1460	110		8.1	1.21
		M	474	1380	125		10.0	1.30
		M	454	1140	93		8.9	1.22
		M	452	1180	110		10.3	1.28
		M	450	1220	110		9.9	1.34
		M	440	980	125		14.6	1.15
		M	418	780	69		9.7	1.07
		F	486					
		F	482					
		F	480					
		F	470					
		F	470					
		F	470					
		F	468					
		F	466					
		F	464					
		F	462					
		F	450					
		F	450					
		F	412					
		M	400					
	82-C	F	480	1380	145		11.7	1.25
		F	470	860	105		13.9	0.83
		F	468	940	87		10.2	0.92
		F	460	1080	110		11.3	1.11
		F	450	1040	125		13.7	1.14

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	450	980	145		17.4	1.08
		F	430	880	97		12.4	1.11
		M	510	1920	155		8.8	1.45
		M	488	1360	78		6.1	1.17
		M	446	980	120		14.0	1.10
	72-C	M	450	1120	89		8.6	1.23
	63-C	M	530	1880	160		9.3	1.26
	48-C	M	482	1580	120		8.2	1.41
G27	157-C	F	490	1520	140		10.1	1.29
		M	550	2240	185		9.0	1.35
		M	524	2040	150		7.9	1.42
	138-C	F	500	1630	150		10.1	1.30
		M	564	2320	125		5.7	1.29
		M	506	1860	160		9.4	1.44
		M	506	1740	130		8.1	1.34
		M	496	1600	135		9.2	1.31
	124	F	584	1400	120		9.4	0.70
		F	516	1720	160		10.3	1.25
		F	512	1820	160		9.6	1.36
		F	508	1580	175		12.5	1.21
		F	506	1720	215		14.3	1.33
		F	500	1480	140		10.4	1.18
		F	496	1520	140		10.1	1.25
		F	494	1520	125		9.0	1.26
		F	490	1580	150		10.5	1.34
		F	490	1480	150		11.3	1.26
		F	490	1460	138		10.4	1.24
		F	490	1400	170		13.8	1.19
		F	486	1460	175		13.6	1.27
		F	482	1420	140		10.9	1.27
		F	480	1380	155		12.7	1.25
		F	480	1380	150		12.2	1.25
		F	480	1380	140		11.3	1.25
		F	480	1320	145		12.3	1.19
		F	478	1500	155		11.5	1.37
		F	478	1440	150		11.6	1.32
		F	474	1380	140		11.3	1.30
		F	470	1420	150		11.8	1.37
		F	412	1080	100		10.2	1.54
		M	552	2380	175		7.9	1.42
		M	530	1820	145		8.7	1.22
		M	502	1580	115		7.8	1.25
		M	476	1120	100		9.8	1.04
		M	470	1540	120		8.5	1.48
		M	464	1280	125		10.8	1.28
		M	444	1260	110		9.6	1.44
	121	F	526	1680	145		9.4	1.15
		F	504	1620	165		11.3	1.27
		F	504	1540	165		12.0	1.20
		F	502	1560	145		10.2	1.23
		F	502	1480	175		13.4	1.17
		F	498	1580	170		12.1	1.28
		F	496	1480	145		10.9	1.21
		F	492	1280	140		12.3	1.07
		F	490	1480	135		10.0	1.26
		F	488	1340	125		10.3	1.15
		F	484	1300	140		12.1	1.15
		F	480	1420	145		11.4	1.28
		F	470	1360	145		11.9	1.31
		F	470	1320	120		10.0	1.27
		F	464	1260	155		14.0	1.26
		F	464	1160	140		13.7	1.16
		F	460	1240	115		10.2	1.27
		F	456	1080	150		16.1	1.14
		M	542	1660	135		8.9	1.04
		M	534	2340	230		10.9	1.54
		M	534	1920	98		5.4	1.26
		M	530	1840	125		7.3	1.24
		M	512	1660	125		8.1	1.24
		M	500	1520	87		6.1	1.22

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	492	1620	130		8.7	1.36
		M	478	1440	72		5.3	1.32
		M	462	1280	105		8.9	1.30
		M	460	1240	89		7.7	1.27
		M	454	1260	93		8.0	1.35
		M	454	1140	59		5.5	1.22
	121-C	F	512	1700	195		13.0	1.27
		F	506	1680	175		11.6	1.30
		F	500	1740	170		10.8	1.39
		F	500	1580	215		15.8	1.26
		F	490	1680	175		11.6	1.43
		F	490	1420	120		9.2	1.21
		F	490	1400	140		11.1	1.19
		F	484	1360	140		11.5	1.20
		F	482	1260	130		11.5	1.13
		F	480	1360	175		14.8	1.23
		F	480	1320	150		12.8	1.19
		F	478	1340	160		13.6	1.23
		F	476	1320	110		9.1	1.22
		F	472	1260	125		11.0	1.20
		F	470	1380	150		12.2	1.33
		F	470	1180	130		12.4	1.14
		F	468	1400	180		14.8	1.37
		F	460	1260	115		10.0	1.29
		F	450	1160	150		14.9	1.27
		M	514	2060	165		8.7	1.52
		M	506	1720	155		9.9	1.33
		M	502	1740	130		8.1	1.38
		M	480	1380	57		4.3	1.25
		M	470	1420	125		9.7	1.37
		M	440	1040	120		13.0	1.22
	115	F	506	1540	185		13.7	1.19
		F	502	1460	145		11.0	1.15
		F	500	1660	170		11.4	1.33
		F	500	1480	155		11.7	1.18
		F	496	1640	185		12.7	1.34
		F	496	1540	180		13.2	1.26
		F	490	1340	140		11.7	1.14
		F	484	1420	155		12.3	1.25
		F	484	1380	140		11.3	1.22
		F	480	1460	135		10.2	1.32
		F	480	1360	120		9.7	1.23
		F	472	1380	145		11.7	1.31
		F	472	1180	120		11.3	1.12
		F	472	1140	135		13.4	1.08
		F	470	1240	130		11.7	1.19
		F	466	1140	110		10.7	1.13
		F	462	1360	150		12.4	1.38
		F	462	1120	130		13.1	1.14
		F	460	1180	125		11.8	1.21
		F	460	1120	125		12.6	1.15
		M	572	2420	190		8.5	1.29
		M	570	1320	78		6.3	0.71
		M	544	1980	145		7.9	1.23
		M	510	1960	115		6.2	1.48
		M	510	1580	125		8.6	1.19
		M	502	1160	35		3.1	0.92
		M	498	1540	135		9.6	1.25
		M	486	1440	125		9.5	1.25
		M	480	1220	61		5.3	1.10
		M	444	1000	93		10.3	1.14
	112	F	506	1640	205		14.3	1.27
		F	494	1560	120		8.3	1.29
		F	492	1640	190		13.1	1.38
		F	488	1340	160		13.6	1.15
		F	486	1420	160		12.7	1.24
		F	484	1360	140		11.5	1.20
		F	484	1240	63		5.4	1.09
		F	480	1260	150		13.5	1.14
		F	478	1180	140		13.5	1.08

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	R.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	474	1380	130		10.4	1.30
		F	472	1320	155		13.3	1.26
		F	472	1280	130		11.3	1.22
		F	472	1220	125		11.4	1.16
		F	472	1160	105		10.0	1.10
		F	468	1160	96		9.0	1.13
		F	464	1120	120		12.0	1.12
		F	460	1360	125		10.1	1.40
		F	460	1080	125		13.1	1.11
		F	446	1140	110		10.7	1.28
		F	444	1080	130		13.7	1.23
		M	542	2080	105		5.3	1.31
		M	530	2000	155		8.4	1.34
		M	520	1720	130		8.2	1.22
		M	502	1680	190		12.8	1.33
		M	500	1360	53		4.1	1.09
		M	484	1180	98		9.1	1.04
		M	474	1440	110		8.3	1.35
		M	474	1220	47		4.0	1.15
		M	472	1420	120		9.2	1.35
		M	470	1320	135		11.4	1.27
	106-C	F	504	1680	165		10.9	1.31
		F	504	1640	160		10.8	1.28
		F	490	1460	165		12.7	1.24
		F	490	1380	155		12.7	1.17
		F	470	1480	135		10.0	1.43
		F	470	1320	170		14.8	1.27
		F	464	1220	160		15.1	1.22
		F	462	1220	120		10.9	1.24
		F	462	1220	120		10.9	1.24
		F	460	1220	125		11.4	1.25
		F	458	1180	105		9.8	1.23
		F	454	1160	130		12.6	1.24
		F	452	1240	150		13.8	1.34
		F	442	1120	140		14.3	1.30
		F	440	1200	37		3.2	1.41
		F	384	820	92		12.6	1.45
		M	632	3700	240		6.9	1.47
		M	594	3100	205		7.1	1.48
		M	542	2120	220		11.6	1.33
		M	514	1980	115		6.2	1.46
		M	460	1060	76		7.7	1.09
		M	450	1280	100		8.5	1.40
	93-C	F	514	1640	130		8.6	1.21
		F	502	1420	170		13.6	1.12
		F	500	1420	155		12.3	1.14
		F	492	1420	150		11.8	1.19
		F	484	1440	145		11.2	1.27
		F	482	1340	130		10.7	1.20
		F	480	1380	160		13.1	1.25
		F	480	1240	130		11.7	1.12
		F	474	1320	125		10.5	1.24
		F	472	1120	105		10.3	1.07
		F	470	1340	100		8.1	1.29
		F	470	1280	100		8.5	1.23
		F	470	1260	130		11.5	1.21
		F	470	1220	130		11.9	1.18
		F	468	1260	135		12.0	1.23
		F	466	1280	150		13.3	1.26
		F	464	1260	115		10.0	1.26
		F	464	1180	150		14.6	1.18
		F	464	1160	95		8.9	1.16
		F	464	1100	115		11.7	1.10
		F	462	1180	120		11.3	1.20
		F	460	1200	115		10.6	1.23
		F	456	1160	110		10.5	1.22
		F	456	980	69		7.6	1.03
		F	446	1040	110		11.8	1.17
		F	432	940	135		16.8	1.17
		F	416	840	105		14.3	1.17
		M	474	1200	120		11.1	1.13
		M	434	900	83		10.2	1.10
		M	390	740	68		10.1	1.25
	82-C	F	490	1380	130		10.4	1.17
		F	484	1420	140		10.9	1.25
		F	480	1340	140		11.7	1.21
		F	466	1180	140		13.5	1.17
		F	460	1200	120		11.1	1.23
		F	460	1180	105		9.8	1.21
		F	434	1000	100		11.1	1.22
		F	406	920	110		13.6	1.37
		M	512	1640	105		6.8	1.22
		M	432	900	84		10.3	1.12
	72-C	F	482	1480	145		10.9	1.32
		F	434	980	94		10.6	1.20
	48-C	F	450	1060	115		12.2	1.16
		F	442	940	93		11.0	1.09
G28	124	F	532	1880	165		9.6	1.25
		F	520	1780	155		9.5	1.27
		F	512	1640	150		10.1	1.22
		F	500	1280	190		17.4	1.02
		F	494	1440	105		7.9	1.19
		F	490	1620	155		10.6	1.38
		F	486	1520	145		10.5	1.32
		F	482	1680	170		11.3	1.50
		F	482	1360	135		11.0	1.21
		F	482	1240	120		10.7	1.11
		F	480	1320	165		14.3	1.19
		F	474	1420	150		11.8	1.33
		F	472	1360	125		10.1	1.29
		F	470	1380	135		10.8	1.33
		F	470	1360	150		12.4	1.31
		F	470	1060	110		11.6	1.02
		F	466	1060	115		12.2	1.05
		F	462		140			
		F	460	1120	125		12.6	1.15
		F	456	1160	115		11.0	1.22
		F	454	1160	125		12.1	1.24
		M	534	2060	130		6.7	1.35
		M	524	2000	165		9.0	1.39
		M	512	1840	140		8.2	1.37
		M	504	1680	120		7.7	1.31
		M	470	1420	97		7.3	1.37
		M	444	1120	97		9.5	1.28
		M	440	1040	57		5.8	1.22
		M	440	980	74		8.2	1.15
		M	430	1020	89		9.6	1.28
	121-C	F	522	1760	190		12.1	1.24
		F	504	1620	155		10.6	1.27
		F	502	1620	160		11.0	1.28
		F	500	1540	190		14.1	1.23
		F	500	1540	170		12.4	1.23
		F	500	1480	145		10.9	1.18
		F	494	1520	135		9.7	1.26
		F	484	1480	110		8.0	1.31
		F	484	1380	165		13.6	1.22
		F	482	1380	155		12.7	1.23
		F	474	1420	155		12.3	1.33
		F	474	1400	120		9.4	1.31
		F	472	1140	135		13.4	1.08
		F	470	1340	130		10.7	1.29
		F	470	1340	130		10.7	1.29
		F	470	1260	120		10.5	1.21
		F	470	1060	135		14.6	1.02
		F	466	1040	98		10.4	1.03
		F	464	1300	130		11.1	1.30
		F	460	1140	86		8.2	1.17
		M	524	1920	155		8.8	1.33
		M	510	1820	120		7.1	1.37
		M	506	1740	125		7.7	1.34

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	506	1720	110		6.8	1.33
		M	502	1380	66		5.0	1.09
		M	496	1520	120		8.6	1.25
		M	486	1220	41		3.5	1.06
		M	484	1280	53		4.3	1.13
		M	470	1220	40		3.4	1.18
		M	462	1280	120		10.3	1.30
	121-C	F	496	1540	130		9.2	1.26
		M	530	1680	110		7.0	1.13
		M	474	1340	120		9.8	1.26
		M	470	1120	125		12.6	1.08
		M	466	1280	61		5.0	1.26
	115	F	520	1880	170		9.9	1.34
		F	514	1400	140		11.1	1.03
		F	504	1520	180		13.4	1.19
		F	500	1360	160		13.3	1.09
		F	494	1540	145		10.4	1.28
		F	490	1420	170		13.6	1.21
		F	482	1260	130		11.5	1.13
		F	480	1400	140		11.1	1.27
		F	480	1340	135		11.2	1.21
		F	480	1320	125		10.5	1.19
		F	474	1140	105		10.1	1.07
		F	470	1480	170		13.0	1.43
		F	464	1280	130		11.3	1.28
		F	464	1160	130		12.6	1.16
		F	462	1240	180		17.0	1.26
		F	462	1140	130		12.9	1.16
		F	452	1120	125		12.6	1.21
		F	444	1060	120		12.8	1.21
		F	430	980	71		7.8	1.23
		M	540	1920	130		7.3	1.22
		M	514	1640	82		5.3	1.21
		M	512	1760	90		5.4	1.31
		M	506	1660	125		8.1	1.28
		M	506	1640	125		8.3	1.27
		M	506	1620	115		7.6	1.25
		M	500	1480	135		10.0	1.18
		M	494	1500	125		9.1	1.24
		M	472	980	68		7.4	0.94
		M	460	1180	72		6.5	1.21
		M	440	1140	67		6.2	1.34
	112	F	514	1700	195		13.0	1.25
		F	510	1400	120		9.4	1.06
		F	502	1720	155		9.9	1.36
		F	496	1520	165		12.2	1.25
		F	490	1520	150		10.9	1.29
		F	490	1480	135		10.0	1.26
		F	484	1460	105		7.7	1.29
		F	484	1260	155		14.0	1.11
		F	482	1380	150		12.2	1.23
		F	474	1420	150		11.8	1.33
		F	470	1320	130		10.9	1.27
		F	470	1260	100		8.6	1.21
		F	470	1240	140		12.7	1.19
		F	470	1140	85		8.1	1.10
		F	464	1120	76		7.3	1.12
		F	462	1220	135		12.4	1.24
		F	460	1340	135		11.2	1.38
		F	460	1160	130		12.6	1.19
		F	460	1060	87		8.9	1.09
		F	456	1160	120		11.5	1.22
		F	454	1120	125		12.6	1.20
		F	450	1160	110		10.5	1.27
		F	450	1020	100		10.9	1.12
		F	440	1020	120		13.3	1.20
		M	530	1840	155		9.2	1.24
		M	520	1860	130		7.5	1.32
		M	462	1160	125		12.1	1.18
		M	456	1180	115		10.8	1.24
		M	452	1040	78		8.1	1.13
		M	440	840	73		9.5	0.99
	106-C	F	530	1840	205		12.5	1.24
		F	520	1760	195		12.5	1.25
		F	496	1520	145		10.5	1.25
		F	488	1220	140		13.0	1.05
		F	470	1280	115		9.9	1.23
		F	470	1220	130		11.9	1.18
		F	470	1200	130		12.1	1.16
		F	460	1260	115		10.0	1.29
		F	460	760	88		13.1	0.78
		F	456	1120	130		13.1	1.18
		F	456	980	72		7.9	1.03
		F	452	1120	125		12.6	1.21
		F	452	1080	115		11.9	1.17
		F	444	840	120		16.7	0.96
		M	456	980	28		2.9	1.03
		M	450	1080	92		9.3	1.19
	93-C	F	500	1380	165		13.6	1.10
		F	468	1260	130		11.5	1.23
		F	468	1060	115		12.2	1.03
		F	466	1140	105		10.1	1.13
		F	464	1160	98		9.2	1.16
		F	450	920	115		14.3	1.01
		F	444	1140	125		12.3	1.30
		F	444	980	110		12.6	1.12
		F	440	940	93		11.0	1.10
		F	420	780	78		11.1	1.05
		M	456	1120	24		2.2	1.18
		M	426	860	37		4.5	1.11
	82-C	F	450	880	96		12.2	0.97
G29	124	F	516	1520	160		11.8	1.11
		F	510	1760	40		2.3	1.33
		F	510	1680	130		8.4	1.27
		F	510	1660	130		8.5	1.25
		F	502	1680	125		8.0	1.33
		F	496	1400	130		10.2	1.15
		F	490	1680	110		7.0	1.43
		F	482	1220	165		15.6	1.09
		F	480	1460	135		10.2	1.32
		F	478	1300	115		9.7	1.19
		F	476	1400	100		7.7	1.30
		F	476	1320	125		10.5	1.22
		F	464	1220	105		9.4	1.22
		F	462	1220	120		10.9	1.24
		F	460	1240	130		11.7	1.27
		F	456	1160	120		11.5	1.22
		F	452	1220	115		10.4	1.32
		F	450	1240	120		10.7	1.36
		M	576	2580	65		2.6	1.35
		M	556	2260	19		0.8	1.31
		M	542	2360	89		3.9	1.48
		M	526	2040	155		8.2	1.40
		M	526	2020	130		6.9	1.39
		M	522	1580	100		6.8	1.11
		M	506	1620	125		8.4	1.25
		M	504	1800	31		1.8	1.41
		M	496	1680	43		2.6	1.38
		M	484	1520	115		8.2	1.34
		M	482	1460	95		7.0	1.30
		M	452	1100	125		12.8	1.19
	121	F	516	1920	46		2.5	1.40
		F	490	1420	155		12.3	1.21
		F	484	1460	115		8.6	1.29
		F	480	1380	150		12.2	1.25
		F	478	1380	165		13.6	1.26
		F	478	1260	135		12.0	1.15
		F	476	1320	140		11.9	1.22
		F	472	1480	125		9.2	1.41
		F	470	1240	120		10.7	1.19

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	470	1160	125		12.1	1.12
		F	466	1340	90		7.2	1.32
		F	464	1180	130		12.4	1.18
		F	462	1180	145		14.0	1.20
		F	462	1040	94		9.9	1.05
		F	460	1160	140		13.7	1.19
		F	460	1060	52		5.2	1.09
		F	454	1160	125		12.1	1.24
		F	454	1160	125		12.1	1.24
		F	452	1220	82		7.2	1.32
		F	450	1120	115		11.4	1.23
		F	444	1080	88		8.9	1.23
		F	430	920	100		12.2	1.16
		F	426	1240	160		14.8	1.60
		M	490	1320	63		5.0	1.12
		M	482	1080	69		6.8	0.96
		M	470	1180	110		10.3	1.14
		M	450	1120	47		4.4	1.23
		M	436	1140	110		10.7	1.38
		M	432	1060	57		5.7	1.31
		M	424	940	61		6.9	1.23
	115	F	528	1720	85		5.2	1.17
		F	514	1880	63		3.5	1.38
		F	498	1600	185		13.1	1.30
		F	494	1480	140		10.4	1.23
		F	480	1380	65		4.9	1.25
		F	478	1280	145		12.8	1.17
		F	474	1340	130		10.7	1.26
		F	472	1240	86		7.5	1.18
		F	470	1280	145		12.8	1.23
		F	466	1180	155		15.1	1.17
		F	464	1280	150		13.3	1.28
		F	464	1280	105		8.9	1.28
		F	464	1240	110		9.7	1.24
		F	464	1200	120		11.1	1.20
		F	464	1180	140		13.5	1.18
		F	456	1300	120		10.2	1.37
		F	454	1140	125		12.3	1.22
		F	454	1060	110		11.6	1.13
		F	452	1040	40		4.0	1.13
		F	450	1140	95		9.1	1.25
		F	440	960	100		11.6	1.13
		M	530	1560	90		6.1	1.05
		M	520	1820	115		6.7	1.29
		M	474	1420	110		8.4	1.33
		M	464	1200	56		4.9	1.20
		M	446	860	43		5.3	0.97
	112	F	560	2580	95		3.8	1.47
		F	502	1420	160		12.7	1.12
		F	500	1580	52		3.4	1.26
		F	490	1340	145		12.1	1.14
		F	486	1520	155		11.4	1.32
		F	480	1360	180		15.3	1.23
		F	480	1340	135		11.2	1.21
		F	476	1460	115		8.6	1.35
		F	474	1320	110		9.1	1.24
		F	474	1160	185		19.0	1.09
		F	472	1280	130		11.3	1.22
		F	468	1280	62		5.1	1.25
		F	460	1180	105		9.8	1.21
		F	460	1060	76		7.7	1.09
		F	454	1100	110		11.1	1.18
		F	454	1080	140		14.9	1.15
		F	452	1120	150		15.5	1.21
		F	444	1160	110		10.5	1.33
		F	442	1140	190		20.0	1.32
		F	440	920	77		9.1	1.08
		F	430	920	125		15.7	1.16
		F	424	940	81		9.4	1.23
		M	532		230			
		M	502	1760	160		10.0	1.39
		M	480	1540	110		7.7	1.39
		M	478	1220	77		6.7	1.12
		M	470	1220	73		6.4	1.18
		M	458	1300	130		11.1	1.35
		M	454	1580	16		1.0	1.69
		M	446	1140	105		10.1	1.28
	106-C	F	500	1680	135		8.7	1.34
		F	480	1280	150		13.3	1.16
		F	470	1160				1.12
		F	452	1040	92		9.7	1.13
		M	512	1800	23		1.3	1.34
	93-C	F	490	1460	88		6.4	1.24
		F	470	1440	150		11.6	1.39
		F	454	1240	120		10.7	1.33
		F	440	1040	92		9.7	1.22
		M	460	1140	110		10.7	1.17
	82-C	F	394	600	41		7.3	0.98
		M	520	1860	190		11.4	1.32
	55-C	F	452	1080	115		11.9	1.17
G30	124	F	500	1520	165		12.2	1.22
		F	486	1340	135		11.9	1.17
		F	464	1280	145		12.8	1.28
		F	460	1160	140		13.7	1.19
		M	514	1620	120		8.0	1.19
	121	F	498	1460	125		9.4	1.18
		F	492	1580	170		12.1	1.33
		F	482	1380	135		10.8	1.23
		F	480	1360	150		12.4	1.23
		F	474	1200	160		15.4	1.13
		F	474	1200	140		13.2	1.13
		F	474	1120	125		12.6	1.05
		F	472	1320	155		13.3	1.26
		F	472	1140	110		10.7	1.08
		F	456	1080	115		11.9	1.14
		M	504	1580	130		9.0	1.23
		M	490	1360	110		8.8	1.16
		M	488	1240	59		5.0	1.07
		M	464	1260	96		8.2	1.26
	115	F	474	1260	120		10.5	1.18
		F	474	1180	135		12.9	1.11
		F	470	1220	170		16.2	1.18
		F	458	1120	120		12.0	1.17
		F	452	1200	110		10.1	1.30
		F	450	1000	115		13.0	1.10
		M	524	1880	180		10.6	1.31
		M	482	1300	83		6.8	1.16
	112	F	500	1280	115		9.9	1.02
		F	495	1560	185		13.5	1.29
		F	492	1380	155		12.7	1.16
		F	482	1300	115		9.7	1.16
		F	481	1340	155		13.1	1.20
		F	472	1220	130		11.9	1.16
		F	470	1180	115		10.8	1.14
		F	470	1180	98		9.1	1.14
		F	468	1140	125		12.3	1.11
		F	464	980	155		18.8	0.98
		F	460	1220	145		13.5	1.25
		F	458	1080	78		7.8	1.12
		F	452	1160	130		12.6	1.26
		F	452	1000	99		11.0	1.08
		F	450	1080	135		14.3	1.19
	106-C	F	474	1220	115		10.4	1.15
		F	468	1280	120		10.3	1.25
		F	456	1140	110		10.7	1.20
		F	454	1120	120		12.0	1.20
		F	450	1160	140		13.7	1.27
		F	418	900	71		8.6	1.23
		M	466	1320	130		10.9	1.30
		M	450	1020	78		8.3	1.12

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	93-C	F	480	1260	96		8.2	1.14
		F	456	1120	130		13.1	1.18
		F	428	880	55		6.7	1.12
G31	138-C	F	506	1520	145		10.5	1.17
		M	562	1740	110		6.7	0.98
	124	F	514	1620	98		6.4	1.19
		F	512	1760	105		6.3	1.31
		F	504	1520	175		13.0	1.19
		F	502	1840	150		8.9	1.45
		F	502	1540	130		9.2	1.22
		F	500	1580	92		6.2	1.26
		F	496	1520	62		4.3	1.25
		F	494	1680	165		10.9	1.39
		F	494	1520	94		6.6	1.26
		F	494	1480	89		6.4	1.23
		F	492	1440	160		12.5	1.21
		F	484	1540	110		7.7	1.36
		F	484	1440	110		8.3	1.27
		F	484	1360	125		10.1	1.20
		F	480	1320	110		9.1	1.19
		F	470	1280	94		7.9	1.23
		F	470	1240	110		9.7	1.19
		F	464	1160	140		13.7	1.16
		M	558	2200	12		0.5	1.27
		M	524	1720	71		4.3	1.20
		M	516	1540	12		0.8	1.12
		M	508	1740	145		9.1	1.33
		M	502	1680	59		3.6	1.33
		M	490	1380	115		9.1	1.17
		M	486	1560	115		8.0	1.36
		M	480	1540	85		5.8	1.39
		M	480	1500	68		4.7	1.36
		M	468	1320	92		7.5	1.29
		M	460	1320	67		5.3	1.36
	121	F	510	1640	125		8.3	1.24
		F	504	1660	72		4.5	1.30
		F	500	1780	155		9.5	1.42
		F	492	1480	165		12.5	1.24
		F	486	1420	140		10.9	1.24
		F	476	1420	135		10.5	1.32
		F	474	1380	130		10.4	1.30
		F	470	1220	97		8.6	1.18
		F	468	1360	150		12.4	1.33
		F	462	1200	90		8.1	1.22
		F	460	1160	150		14.9	1.19
		F	458	1180	73		6.6	1.23
		F	454	1160	86		8.0	1.24
		F	430	1020	110		12.1	1.28
		F	416	920	68		8.0	1.28
		M	530	2020	85		4.4	1.36
		M	518	1780	150		9.2	1.28
		M	506	1720	170		11.0	1.33
		M	504	1480	34		2.4	1.16
		M	478	1140	90		8.6	1.04
		M	476	1420	85		6.4	1.32
		M	476	1660	120		7.8	1.54
		M	472	1340	72		5.7	1.27
		M	470	1520	43		2.9	1.46
		M	462	2280	210		10.1	2.31
		M	460	1280	51		4.1	1.32
		M	460	1180	52		4.6	1.21
		M	450	1060	93		9.6	1.16
		M	446	1020	76		8.1	1.15
	121-C	F	492	1460	170		13.2	1.23
		F	484	1400	110		8.5	1.23
		F	482	1160	130		12.6	1.04
		M	480	1320	75		6.0	1.19
	115	F	524	1720	125		7.8	1.20
		F	516	2000	120		6.4	1.46
		F	510	1620	155		10.6	1.22
		F	504	1500	190		14.5	1.17
		F	500	2300	180		8.5	1.84
		F	500	1680	170		11.3	1.34
		F	492	1500	120		8.7	1.26
		F	484	1360	120		9.7	1.20
		F	484	1300	115		9.7	1.15
		F	482	1360	140		11.5	1.21
		F	482	1080	66		6.5	0.96
		F	480	1440	130		9.9	1.30
		F	470	1440	125		9.5	1.39
		F	470	1160	78		7.2	1.12
		F	468	1780	115		6.9	1.74
		F	458	1740	150		9.4	1.81
		F	454	1220	120		10.9	1.30
		M	584	2680	180		7.2	1.35
		M	516	1960	68		3.6	1.43
		M	514	1620	7		0.4	1.19
		M	496	1100	71		6.9	0.90
		M	484	1220	73		6.4	1.08
		M	480	1400	82		6.2	1.27
		M	480	1220	84		7.4	1.10
		M	472	1320	69		5.5	1.26
		M	468	1180	56		5.0	1.15
		M	464	1120	60		5.7	1.12
		M	460	960	41		4.5	0.99
		M	448	1180	48		4.2	1.31
		M	442	1040	70		7.2	1.20
	112	F	510	1840	190		11.5	1.39
		F	500	1560	115		8.0	1.25
		F	496	1460	96		7.0	1.20
		F	494	1320	98		8.0	1.09
		F	490	1540	150		10.8	1.31
		F	484	1380	97		7.6	1.22
		F	482	1380	86		6.6	1.23
		F	476	1360	125		10.1	1.26
		F	476	1040	125		13.7	0.96
		F	474	1460	170		13.2	1.37
		F	474	1420	160		12.7	1.33
		F	474	1300	175		15.6	1.22
		F	472	1220	140		13.0	1.16
		F	470	1320	140		11.9	1.27
		F	460	1220	98		8.7	1.25
		F	452	1160	125		12.1	1.26
		F	458	1040	135		14.9	1.08
		F	448	1040	74		7.7	1.16
		F	440	1000	84		9.2	1.17
		F	438	1100	93		9.2	1.31
		M	516	2340	210		9.9	1.70
		M	516	1760	61		3.6	1.28
		M	512	1660	140		9.2	1.24
		M	480	1340	65		5.1	1.21
		M	462	1240	26		2.1	1.26
		M	456	1120	73		7.0	1.18
		M	456	920	73		8.6	0.97
		M	446	1060	70		7.1	1.19
		M	444	1060	84		8.6	1.21
		M	424	920	41		4.7	1.21
	106-C	F	494	1360	110		8.8	1.13
		F	490	1420	115		8.8	1.21
		F	472	1180	130		12.4	1.12
		F	470	1240	98		8.6	1.19
		F	470	1080	77		7.7	1.04
		F	464	1240	110		9.7	1.24
		F	460	940	72		8.3	0.97
		F	458	1180	115		10.8	1.23
		F	454	1160	105		10.0	1.24
		F	444	1020	110		12.1	1.17
		M	464	1400	87		6.6	1.40
		M	462	1400	42		3.1	1.42
		M	456	1180	95		8.8	1.24

PINK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	93-C	F	472	1340	105		8.5	1.27
		F	462	1180	125		11.8	1.20
		F	442	1040	100		10.6	1.20
		F	420	580	35		6.4	0.78
		M	496	1280	120		10.3	1.05
		M	452	1020	82		8.7	1.10
		M	452	1000	39		4.1	1.08
G32	124	F	514	1660	145		9.6	1.22
		F	510	1700	105		6.6	1.28
		F	506	1620	180		12.5	1.25
		F	492	1540	135		9.6	1.29
		F	486	1360	135		11.0	1.18
		F	484	1380	180		15.0	1.22
		F	482	1120	115		11.4	1.00
		F	480	1120	115		11.4	1.01
		F	480	1080	110		11.3	0.98
		F	474	1320	120		10.0	1.24
		F	460	1320	125		10.5	1.36
		M	566	2500	210		9.2	1.38
		M	544	1040	31		3.1	0.65
		M	526	1840	17		0.9	1.26
		M	520	1820	115		6.7	1.29
		M	520	1380	58		4.4	0.98
		M	518	1780	155		9.5	1.28
		M	512	1726	125		7.8	1.29
		M	502	1720	140		8.9	1.36
		M	494	1320	145		12.3	1.09
		M	470	1260	46		3.8	1.21
	121	F	500	1480	110		8.0	1.18
		F	490	1480	145		10.9	1.26
		F	486	1520	160		11.8	1.32
		F	482	1340	165		14.0	1.20
		F	480	1320	130		10.9	1.19
		F	480	1140	115		11.2	1.03
		F	474	1040	120		13.0	0.98
		F	460	1160	125		12.1	1.19
		F	460	1080	120		12.5	1.11
		F	454	1060	105		11.0	1.13
		F	450	880	94		12.0	0.97
		M	521	2080	27		1.3	1.47
		M	504	1320	57		4.5	1.03
		M	496	1420	120		9.2	1.16
		M	490	1620	170		11.7	1.38
		M	480	1420	93		7.0	1.28
	121-C	F	470	1260	20		1.6	1.21
	115	F	520	2000	180		9.9	1.42
		F	518	1810	190		11.7	1.30
		F	506	1740	170		10.8	1.34
		F	500	1580	170		12.1	1.26
		F	500	1360	86		6.8	1.09
		F	498	1580	190		13.7	1.28
		F	480	1420	146		11.5	1.28
		F	478	1340	135		11.2	1.23
		F	474	1320	105		8.6	1.24
		F	472	1360	135		11.0	1.29
		F	470	1260	165		15.1	1.21
		F	470	1220	125		11.4	1.18
		F	466	1260	145		13.0	1.25
		F	466	1220	125		11.4	1.21
		F	446	1040	110		11.8	1.17
		F	444	1060	120		12.8	1.21
		F	442	940	73		8.4	1.09
		F	440	1080	110		11.3	1.27
		F	430	1160	115		11.0	1.46
		M	536	2240	210		10.3	1.45
		M	526	1720	14		0.8	1.18
		M	500	1440	76		5.6	1.15
		M	482	1020	51		5.3	0.91
		M	480	1340	62		4.9	1.21
	112	F	504	1620	135		9.1	1.27

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	496	1680	150		9.8	1.38
		F	494	1420	150		11.8	1.18
		F	490	1080	105		10.8	0.92
		F	486	1420	105		8.0	1.24
		F	482	1440	155		12.1	1.29
		F	474	1420	140		10.9	1.33
		F	464	1220	145		13.5	1.22
		F	462	1040	130		14.3	1.05
		F	446	1020	130		14.6	1.15
		F	436	820	94		12.9	0.99
		M	460	1140	64		5.9	1.17
		M	454	1180	64		5.7	1.26
	106-C	F	496	1320	160		13.8	1.08
		F	470	1260	135		12.0	1.21
		F	444	1200	93		8.4	1.37
	93-C	F	494	1520	135		9.7	1.26
		F	434	920	49		5.6	1.13
		F	434	780	62		8.6	0.95
		F	418	780	84		12.1	1.07
	82-C	F	470	1260	125		11.0	1.21
		F	454	1000	77		8.3	1.07
		F	414	720	83		13.0	1.01

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G04	109	F	524	2020	40		2.0	1.19
G10	115	M	668	3500	18		0.5	1.17
	112	M	598	3100	34		1.1	1.45
		M	544	1960	18		0.9	1.22
		M	508	1360	41		3.1	1.05
	L-L	F	606	2970	95		3.3	1.33
G11	124	F	552	2520	86		3.5	1.50
	112	M	542	200	28		16.3	0.13
G12	124	M	500	1780	27		1.5	1.42
	121	M	568	2280	15		0.7	1.24
	115	M	584	2380	40		1.7	1.19
	112	M	596	2620	25		1.0	1.24
G13	124	F	590	2400	72		3.1	1.17
	121	M	570	2120	53		2.6	1.14
		M	584	2500	51		2.1	1.26
	115	F	540	2040	73		3.7	1.30
	112	M	600	3000	55		1.9	1.39
	L-L	F	552	2200	84		4.0	1.31
		M	580	2700	42		1.6	1.38
G14	121	F	554	2240	64		2.9	1.32
	112	M	596	2750	74		2.8	1.30
G16	124	F	527	1920	84		4.6	1.31
		M	603	3000	95		3.3	1.37
		M	596	2840	66		2.4	1.34
		M	562	2300	65		2.9	1.30
	121	M	534	2200	46		2.1	1.44
		M	518	2000	52		2.7	1.44
	115	F	597	2820	100		3.7	1.33
	112	F	562	2400	68		2.9	1.35
		M	557	2580	64		2.5	1.49
		M	510	1800	80		4.7	1.36
G17	138-C	F	562	2300	100		4.5	1.30
	124	F	544	2120	77		3.8	1.32
		M	600	3100	41		1.3	1.44
		M	600	3000	110		3.8	1.39
		M	580	2720	37		1.4	1.39
		M	500	1820	68		3.9	1.46
	121	F	580	2780	115		4.3	1.42
		F	576	2600	105		4.2	1.36
		F	560	2760	95		3.6	1.57
		F	542	2060	78		3.9	1.29
	121-C	M	540	2000	15		0.8	1.27
	115	F	600	3400	89		2.7	1.57
		F	536	2140	83		4.0	1.39
		M	600	2640	32		1.2	1.22
		M	580	2380	65		2.8	1.22
	112	F	592	3000	145		5.1	1.45
		F	570	2100	110		5.5	1.13
		F	530	2200	100		4.8	1.48
G18	157-C	M	580	2500	51		2.1	1.28
	124	F	612	3250	155		5.0	1.42
		F	592	2920	76		2.7	1.41
		F	584	2760	150		5.7	1.39
		F	584	2360	48		2.1	1.18
		F	578	2780	115		4.3	1.44
		F	572	2940	92		3.2	1.57
		F	563	2700	93		3.6	1.51
		F	562	2360	95		4.2	1.33
		F	556	2300	65		2.9	1.34
		F	550	2320	68		3.0	1.39
		F	523	2000	90		4.7	1.40
		M	632	3150	85		2.8	1.25
		M	610	3450	160		4.9	1.52
		M	597	3200	100		3.2	1.50
		M	582	2440	41		1.7	1.24
		M	567	2320	65		2.9	1.27
		M	518	1940	35		1.8	1.40
	121	F	616	3050	62		2.1	1.30
		F	582	2440	105		4.5	1.24
		F	575	2600	100		4.0	1.37
		F	560	2140	84		4.1	1.22
		F	543	2140	50		2.4	1.34
		F	542	2260	72		3.3	1.42
		M	632	3550	140		4.1	1.41
		M	624	3200	97		3.1	1.32
		M	590	2800	48		1.7	1.36
		M	553	2060	64		3.2	1.22
	121-C	M	592	2560	67		2.7	1.23
		M	536	2080	50		2.5	1.35
		M	525	2020	81		4.2	1.40
	115	F	620	3550	190		5.7	1.49
		F	590	3000	100		3.4	1.46
		F	581	3000	180		6.4	1.53
		F	577	2540	100		4.1	1.32
		F	544	2140	55		2.6	1.33
		F	536	2020	63		3.2	1.31
		F	530	1980	62		3.2	1.33
		M	617	2980	54		1.8	1.27
		M	610	3000	88		3.0	1.32
		M	600	1560	96		6.6	0.72
		M	598	3000	95		3.3	1.40
		M	595	2920	82		2.9	1.39
		M	578	2800	95		3.5	1.45
		M	556	2440	56		2.3	1.42
		M	551	2300	55		2.4	1.37
		M	544	2100	25		1.2	1.30
		M	530	1820	85		4.9	1.22
		M	510	1580	30		1.9	1.19
	112	F	588	2800	150		5.7	1.38
		F	586	2800	140		5.3	1.39
		F	572	2540	65		2.6	1.36
		F	567	2760	115		4.3	1.51
		F	564	2560	100		4.1	1.43
		F	563	2540	83		3.4	1.42
		F	562	2520	50		2.0	1.42
		F	546	2260	92		4.2	1.39
		F	543	2580	100		4.0	1.61
		F	541	2120	63		3.1	1.34
		F	536	2060	92		4.7	1.34
		M	588	3050	66		2.2	1.50
		M	587	2820	46		1.7	1.39
		M	580	1620	23		1.4	0.83
		M	564	2400	36		1.5	1.34
		M	555	2240	57		2.6	1.31
		M	547	2280	65		2.9	1.39
		M	542	2400	52		2.2	1.51
		M	500	1540	62		4.2	1.23
G19	138-C	F	556	2500	89		3.7	1.45
		F	554	2040	90		4.6	1.20
	124	F	604	3000	150		5.3	1.36
		F	578	2600	57		2.2	1.35
		F	576	2920	94		3.3	1.53
		F	574	2660	115		4.5	1.41
		F	570	3050	100		3.4	1.65
		F	570	2580	130		5.3	1.39
		F	570	2360	81		3.6	1.27
		F	568	2640	98		3.9	1.44
		F	566	2380	59		2.5	1.31
		F	562	2500	90		3.7	1.41
		F	550	2340	90		4.0	1.41
		F	544	2200	75		3.5	1.37
		F	540	2140	89		4.3	1.36
		F	520	2180	125		6.1	1.55
		M	604	3200	110		3.6	1.45
		M	600	3000	91		3.1	1.39
		M	586	2740	41		1.5	1.36
		M	580	2400	43		1.8	1.23
		M	566	2700	65		2.5	1.49
		M	560	2560	95		3.9	1.46
		M	558	2400	75		3.2	1.38

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	556	2700	90		3.4	1.57			F	617	3050	200		7.0	1.30
		M	554	2400	44		1.9	1.41			F	600	2800	150		5.7	1.30
		M	450	1240	57		4.8	1.36			F	596	3000	120		4.2	1.42
	121	F	594	2800	115		4.3	1.34			M	597	2540	140		5.8	1.19
		F	584	3050	150		5.2	1.53			M	560	2160	94		4.5	1.23
		F	582	2460	200		8.8	1.25			M	550	2660	145		5.8	1.60
		F	570	2160	85		4.1	1.17			M	545	2220	110		5.2	1.37
		F	568	2380	100		4.4	1.30		115	F	642	3600	215		6.4	1.36
		F	560	2500	55		2.2	1.42			M	605	2660	65		2.5	1.20
		F	550	2240	125		5.9	1.35			M	600	2660	72		2.8	1.23
		F	540	2300	140		6.5	1.46		112	F	635	3800	205		5.7	1.48
		M	618	3500	140		4.2	1.48			F	612	2980	195		7.0	1.30
		M	610	3000	84		2.9	1.32			F	600	2940	200		7.3	1.36
		M	590	3800	52		1.4	1.85			F	600	2760	105		4.0	1.28
		M	586	2760	50		1.8	1.37			F	566	2060	74		3.7	1.14
		M	578	2500	32		1.3	1.29			F	562	2320	155		7.2	1.31
		M	526	2000	40		2.0	1.37			M	660	4050	115		2.9	1.41
		M	520	1880	85		4.7	1.34			M	644	3700	140		3.9	1.39
	121-C	F	570	2380	120		5.3	1.29			M	604	2640	160		6.5	1.20
		M	594	2560	38		1.5	1.22		93-C	F	578	2660	145		5.8	1.38
		M	586	2600	41		1.6	1.29			M	558	2280	110		5.1	1.31
	115	F	614	3200	160		5.3	1.38		82-C	F	582	2440	98		4.2	1.24
		F	588	2720	84		3.2	1.34			M	636	3700	175		5.0	1.44
		F	580	2920	145		5.2	1.50		55-C	M	654	3900	175		4.7	1.39
		F	580	2860	150		5.5	1.47	G22	157-C	M	634	4050	175		4.5	1.59
		F	570	2440	80		3.4	1.32		138-C	M	652	3500	78		2.3	1.26
		F	564	2740	200		7.9	1.53			M	636	3650	175		5.0	1.42
		F	550	1980	95		5.0	1.19			M	600	3000	185		6.6	1.39
		M	600	2700	94		3.6	1.25		121	F	622	3300	155		4.9	1.37
		M	580	2900	72		2.5	1.49			F	604	3500	280		8.7	1.59
		M	574	2920	120		4.3	1.54			F	592	2920	135		4.8	1.41
		M	574	2540	5		0.2	1.34			F	590	3000	150		5.3	1.46
		M	542	2320	25		1.1	1.46		115	F	656	4300	280		7.0	1.52
		M	538	2300	39		1.7	1.48			F	636	4200	185		4.6	1.63
		M	534	2260	92		4.2	1.48			F	590	2540	160		6.7	1.24
	112	F	600	2960	135		4.8	1.37			F	586	2660	160		6.4	1.32
		F	596	2720	60		2.3	1.28			M	682	5050	250		5.2	1.59
		F	576	2480	105		4.4	1.30			M	528	1940	97		5.3	1.32
		F	574	2700	135		5.3	1.43		112	F	594	3000	200		7.1	1.43
		F	554	2220	56		2.6	1.31			F	580	2840	155		5.8	1.46
		M	598	3050	72		2.4	1.43			F	566	2800	250		9.8	1.54
		M	590	2760	165		6.4	1.34			M	574	2720	180		7.1	1.44
		M	584	2900	47		1.6	1.46		63-C	F	610	3100	170		5.8	1.37
		M	574	2600	81		3.2	1.37			M	526	2200	96		4.6	1.51
		M	564	2340	55		2.4	1.30		48-C	F	602	3150	235		8.1	1.44
	106-C	F	572	2660	160		6.4	1.42	G23	157-C	M	600	3200	150		4.9	1.48
	93-C	M	564	2460	31		1.3	1.37		124	F	630	3200	170		5.6	1.28
	48-C	M	570	2500	90		3.7	1.35			F	600	3100	160		5.4	1.44
G20	157-C	M	611	3100	65		2.1	1.36			F	582	2560	190		8.0	1.30
	124	F	594	3050	120		4.1	1.46			F	560	2880	155		5.7	1.64
		F	514	1860	100		5.7	1.37			M	628	3250	98		3.1	1.31
		M	604	3100	74		2.4	1.41			M	610	3150	175		5.9	1.39
	121	M	572	2600	83		3.3	1.39		121	F	622	3350	260		8.4	1.39
		M	516	1820	64		3.6	1.32			F	614	3100	275		9.7	1.34
	115	F	572	2540	92		3.8	1.36			F	610	3300	200		6.5	1.45
		F	526	2440	62		2.6	1.42			F	598	3100	245		8.6	1.45
		F	526	2320	130		5.9	1.35			F	500	1760	47		2.7	1.41
	112	M	596	3050	95		3.2	1.44			M	574	2740	62		2.3	1.45
		M	536	2260	60		2.7	1.47		115	F	624	3450	315		10.0	1.42
	106-C	F	540	2180	115		5.6	1.38			F	614	3250	140		4.5	1.40
G21	138-C	M	620	3400	180		5.6	1.43			F	608	2900	100		3.6	1.29
		M	582	2660	170		6.8	1.35			F	564	2320	160		7.4	1.29
	124	F	600	3100	210		7.3	1.44			M	530	2100	64		3.1	1.41
		F	580	2460	200		8.8	1.26			M	518	1920	115		6.4	1.38
		F	528	1840	63		3.5	1.25		112	F	574	2740	140		5.4	1.45
		M	643	3150	64		2.1	1.18			F	554	2400	145		6.4	1.41
		M	602	2820	160		6.0	1.29			M	640	3000	68		2.3	1.14
		M	526	2020	105		5.5	1.39			M	630	3000	75		2.6	1.20
		M	495	1700	95		5.9	1.40			M	570	2940	170		6.1	1.59
	121	F	642	3250	185		6.0	1.23			M	544	2600	125		5.1	1.62

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	72-C	M	594	2800	185		7.1	1.34			M	524	1980	97		5.2	1.38
	48-C	M	472	1500	98		7.0	1.43			M	506	1800	100		5.9	1.39
G24	138-C	F	600	3100	215		7.5	1.44			M	503	1780	97		5.8	1.40
	124	F	600	2880	210		7.9	1.33		121	F	640	3650	125		3.5	1.39
		F	596	2500	135		5.7	1.18			F	640	3600	150		4.3	1.37
		F	580	2520	94		3.9	1.29			F	628	3550	170		5.0	1.43
		F	574	2960	205		7.4	1.57			F	618	3600	150		4.3	1.53
		F	550	2460	140		6.0	1.48			F	618	3450	180		5.5	1.46
		M	620	3100	165		5.6	1.30			F	614	3500	195		5.9	1.51
		M	620	3050	195		6.8	1.28			F	614	3150	260		9.0	1.36
		M	618	3250	115		3.7	1.38			F	610	3350	175		5.5	1.48
		M	610	2920	90		3.2	1.29			F	608	3150	150		5.0	1.40
		M	582	2340	33		1.4	1.19			F	594	3100	110		3.7	1.48
		M	580	2740	120		4.6	1.40			F	593	2600	95		3.8	1.25
		M	570	2740	190		7.5	1.48			F	576	2800	120		4.5	1.47
		M	554	2500	96		4.0	1.47			F	570	3000	145		5.1	1.62
		M	518	1800	96		5.6	1.30			F	537	2100	140		7.1	1.36
	121	F	614	3000	97		3.3	1.30			F	535	2300	70		3.1	1.50
		F	552	2140	83		4.0	1.27			M	621	3750	190		5.3	1.57
		F	536	5260	145		2.8	3.42			M	615	3500	165		4.9	1.50
		M	600	2780	135		5.1	1.29			M	610	3250	110		3.5	1.43
		M	576	3000	120		4.2	1.57			M	598	2900	110		3.9	1.36
		M	570	2740	165		6.4	1.48			M	592	2900	195		7.2	1.40
	115	F	644	3700	160		4.5	1.39			M	572	2850	195		7.3	1.52
		F	580	2960	160		5.7	1.52			M	570	2650	100		3.9	1.43
		M	624	3100	120		4.0	1.28			M	566	2740	150		5.8	1.51
		M	608	3150	160		5.4	1.40			M	550	2120	170		8.7	1.27
		M	584	3000	250		9.1	1.51			M	540	2220	125		6.0	1.41
	112	F	590	2700	215		8.7	1.31			M	482	1600	100		6.7	1.43
		F	578	2580	135		5.5	1.34		115	F	635	3200	90		2.9	1.25
		F	564	2940	120		4.3	1.64			F	624	3600	200		5.9	1.48
		F	564	2360	165		7.5	1.32			F	606	3200	190		6.3	1.44
		M	626	3500	125		3.7	1.43			F	590	3200	130		4.2	1.56
		M	604	2960	170		6.1	1.34			F	582	2600	190		7.9	1.32
		M	598	2680	155		6.1	1.25			F	580	3000	170		6.0	1.54
		M	590	2620	140		5.6	1.28			F	580	3000	160		5.6	1.54
		M	580	2640	90		3.5	1.35			F	580	2640	93		3.7	1.35
		M	534	1960	155		8.6	1.29			F	564	2700	175		6.9	1.50
	93-C	F	530	2040	120		6.2	1.37			F	562	2450	87		3.7	1.38
G25	157-C	M	618	3050	120		4.1	1.29			F	530	2740	115		4.4	1.84
		M	602	3000	185		6.6	1.38			M	620	3450	150		4.5	1.45
	138-C	F	566	2550	110		4.5	1.41			M	620	3350	160		5.0	1.41
		M	594	2750	150		5.8	1.31			M	594	3250	155		5.0	1.55
	124	F	624	3400	170		5.3	1.40		112	F	618	3450	145		4.4	1.46
		F	610	3350	150		4.7	1.48			F	617	3100	155		5.3	1.32
		F	600	3400	220		6.9	1.57			F	614	3300	160		5.1	1.43
		F	600	3150	155		5.2	1.46			F	603	3350	200		6.3	1.53
		F	600	2980	120		4.2	1.38			F	595	2960	280		10.4	1.41
		F	597	2960	180		6.5	1.39			F	582	2700	115		4.4	1.37
		F	585	2800	115		4.3	1.40			F	570	2700	210		8.4	1.46
		F	572	2800	89		3.3	1.50			F	557	2500	120		5.0	1.45
		F	564	2680	90		3.5	1.49			F	544	2240	64		2.9	1.39
		F	552	2240	130		6.2	1.33			M	631	3500	220		6.7	1.39
		F	550	2400	200		9.1	1.44			M	630	3500	185		5.6	1.40
		F	545	2240	155		7.4	1.38			M	618	3600	150		4.3	1.53
		M	640	3750	88		2.4	1.43			M	612	3450	140		4.2	1.51
		M	635	3950	190		5.1	1.54			M	593	2860	100		3.6	1.37
		M	625	3600	225		6.7	1.47			M	560	2800	170		6.5	1.59
		M	624	3650	115		3.3	1.50		106-C	M	617	3800	190		5.3	1.62
		M	622	3200	90		2.9	1.33			M	542	2300	160		7.5	1.44
		M	610	3000	160		5.6	1.32		63-C	F	620	3150	165		5.5	1.32
		M	608	3150	98		3.2	1.40		L-L	F	630	3550	105		3.0	1.42
		M	605	3300	155		4.9	1.49			F	615	3600	215		6.4	1.55
		M	584	2720	170		6.7	1.37			F	580	2600	110		4.4	1.33
		M	580	2800	160		6.1	1.44			M	630	3500	155		4.6	1.40
		M	575	2600	100		4.0	1.37			M	600	3000	86		3.0	1.39
		M	566	2640	170		6.9	1.46			M	570	2400	67		2.9	1.30
		M	560	2420	150		6.6	1.38			M	397	840	91		12.1	1.34
		M	555	2760	100		3.8	1.61	G26	157-C	M	632	3850	210		5.8	1.53
		M	550	2400	72		3.1	1.44		138-C	F	624	3350	170		5.3	1.38

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		M	620	3950	220		5.9	1.66
	124	F	646	3500	350		11.1	1.30
		F	644	3800	210		5.8	1.42
		F	612	3300	165		5.3	1.44
		F	594	2900	71		2.5	1.38
		F	592	3000	220		7.9	1.45
		F	590	2740	195		7.7	1.33
		F	580	2940	95		3.3	1.51
		F	560	2440	165		7.3	1.39
		M	650	4000	185		4.8	1.46
		M	640	4050	330		8.9	1.50
		M	626	3600	175		5.1	1.47
		M	582	2740	84		3.2	1.39
		M	578	2940	92		3.2	1.52
		M	560	2680	150		5.9	1.53
	121	F	630	3600	160		4.7	1.44
		F	584	2740	125		4.8	1.38
		F	572	2720	185		7.3	1.45
		M	654	4300	255		6.3	1.54
		M	636	3500	150		4.5	1.36
		M	634	3850	190		5.2	1.51
		M	600	3150	130		4.3	1.46
		M	588	2720	120		4.6	1.34
		M	580	2920	150		5.4	1.50
		M	560	2820	195		7.4	1.61
		M	510	2360	82		3.6	1.78
	121-C	F	600	3150	120		4.0	1.46
		M	622	3550	190		5.7	1.48
		M	612	3250	175		5.7	1.42
		M	554	2250	93		4.3	1.32
	115	F	626	3400	180		5.6	1.39
		F	618	3700	175		5.0	1.57
		F	606	3100	150		5.1	1.39
		F	600	3100	255		9.0	1.44
		F	594	3350	200		6.3	1.60
		F	590	2940	250		9.3	1.43
		F	590	2840	180		6.8	1.38
		F	554	2500	145		6.2	1.47
		F	536	2560	48		1.9	1.66
		M	622	3500	190		5.7	1.45
		M	622	3350	125		3.9	1.39
		M	610	2950	130		4.6	1.30
		M	600	2960	125		4.4	1.37
		M	574	2500	160		6.8	1.32
		M	550	2740	120		4.6	1.65
		M	540	2240	140		6.7	1.42
		M	510	1840	150		8.9	1.39
		M	500	1760	106		6.4	1.41
	112	F	618	3400	205		6.4	1.44
		F	616	3400	205		6.4	1.45
		F	600	3100	155		5.3	1.44
		F	592	3200	185		6.1	1.54
		F	554	2600	130		5.3	1.53
		M	642	4050	250		6.6	1.53
		M	632	3200	140		4.6	1.27
		M	622	3500	190		5.7	1.45
		M	620	3250	165		5.3	1.36
		M	620	2100	42		2.0	0.88
		M	600	2980	170		6.0	1.38
		M	600	2940	160		5.8	1.36
		M	600	2880	145		5.3	1.33
		M	594	2780	155		5.9	1.55
		M	546	2340	150		6.8	1.44
		M	502	1920	145		8.2	1.52
	93-C	M	600	3200	130		4.2	1.48
	82-C	F	572	3000	190		6.8	1.60
G27	157-C	M	546	2540	160		6.7	1.56
	138-C	F	584	2900	125		4.5	1.46
	124	F	596	2950	155		5.5	1.39
		F	596	2950	140		5.0	1.39
		F	588	3000	315		11.7	1.48
		F	554	2650	140		5.6	1.56
		M	624	3150	205		7.0	1.30
		M	620	3100	155		5.3	1.30
		M	608	3200	200		6.7	1.42
		M	600	3100	115		3.9	1.44
		M	590	2700	145		5.7	1.31
		M	560	2460	130		5.6	1.40
		M	554	2260	120		5.6	1.33
	121	F	616	3200	225		7.6	1.37
		F	600	2960	150		5.3	1.37
		F	580	2980	220		8.0	1.53
		F	578	2920	215		7.9	1.51
		F	570	2560	300		13.3	1.38
		M	672	4500	290		6.9	1.48
		M	646	3500	200		6.1	1.30
		M	624	3200	115		3.7	1.32
		M	594	3100	200		6.9	1.48
		M	592	2820	210		8.0	1.36
		M	588	3000	170		6.0	1.48
		M	584	2720	165		6.5	1.37
		M	578	3000	160		5.6	1.55
		M	526	1980	120		6.5	1.36
		M	468	1420	92		6.9	1.39
	121-C	F	570	2740	230		9.2	1.48
		M	608	3250	215		7.1	1.45
		M	602	3200	220		7.4	1.47
	115	F	616	3200	260		8.8	1.37
		F	610	3250	315		10.7	1.43
		M	644	3800	200		5.6	1.42
		M	640	3950	160		4.2	1.51
		M	628	3550	185		5.5	1.43
		M	608	3250	210		6.9	1.45
		M	602	3000	135		4.7	1.38
		M	592	3150	160		5.4	1.52
		M	590	2900	215		8.0	1.41
		M	568	2640	160		6.5	1.44
	112	F	616	3500	255		7.9	1.50
		F	607	3300	180		5.8	1.48
		F	604	3400	275		8.8	1.54
		F	600	3250	220		7.3	1.50
		F	580	2700	155		6.1	1.38
		F	568	2900	235		8.8	1.58
		M	620	2600	190		7.9	1.09
		M	602	3000	96		3.3	1.38
		M	584	3800	150		4.1	1.91
		M	520	1980	150		8.2	1.41
	55-C	M	588	3150	200		6.8	1.55
G28	138-C	F	580	2580	205		8.6	1.32
		F	564	2480	150		6.4	1.38
		M	662	4000	290		7.8	1.38
		M	590	2780	125		4.7	1.35
		M	574	2280	145		6.8	1.21
	124	F	616	3300	185		5.9	1.41
		F	592	3200	150		4.9	1.54
		F	590	2940	230		8.5	1.43
		F	572	2660	125		4.9	1.42
		M	666	4600	225		5.1	1.56
		M	620	3000	200		7.1	1.26
		M	612	3300	160		5.1	1.44
		M	612	3000	140		4.9	1.31
		M	600	3100	200		6.9	1.44
		M	600	3100	155		5.3	1.44
		M	594	3000	150		5.3	1.43
		M	572	2940	165		5.9	1.57
		M	564	2640	180		7.3	1.47
		M	554	2360	180		8.3	1.39
		M	552	2560	160		6.7	1.52
	121	F	644	4000	140		3.6	1.50
		F	636	3450	265		8.3	1.34

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	628	3150	185		6.2	1.27			M	512	1820	145		8.7	1.36
		F	604	3250	250		8.3	1.47			M	508	1660	105		6.8	1.27
		F	600	3050	230		8.2	1.41			M	497	1900	170		9.8	1.55
		F	600	2920	130		4.7	1.35		121	F	620	4600	210		4.8	1.93
		F	594	2920	210		7.7	1.39			F	610	3700	135		3.8	1.63
		F	588	2740	260		10.5	1.35			F	603	3600	165		4.8	1.64
		F	580	2880	190		7.1	1.48			F	600	3800	155		4.3	1.76
		F	562	2800	205		7.9	1.58			F	595	3900	135		3.6	1.85
		F	562	2380	160		7.2	1.34			F	592	3500	200		6.1	1.69
		M	656	3850	210		5.8	1.36			F	590	3750	165		4.6	1.83
		M	654	3900	97		2.6	1.39			F	580	2860	150		5.5	1.47
		M	646	3850	150		4.1	1.43			F	578	3000	220		7.9	1.55
		M	572	2760	200		7.8	1.47			F	570	2840	200		7.6	1.53
		M	548	2560	245		10.6	1.56			F	568	2880	170		6.3	1.57
		M	540	2400	120		5.3	1.52			F	567	2820	245		9.5	1.55
		M	510	2000	155		8.4	1.51			F	564	2720	125		4.8	1.52
	115	F	624	3550	190		5.7	1.46			F	563	2800	195		7.5	1.57
		F	584	2820	135		5.0	1.42			F	502	1680	77		4.8	1.33
		F	562	2560	155		6.4	1.44			M	646	4800	215		4.7	1.78
		F	546	2260	110		5.1	1.39			M	640	4900	170		3.6	1.87
		F	534	2240	155		7.4	1.47			M	640	4500	160		3.7	1.72
		M	638	3650	200		5.8	1.41			M	633	4100	250		6.5	1.62
		M	636	3450	110		3.3	1.34			M	624	3800	200		5.6	1.56
		M	628	3350	190		6.0	1.35			M	614	3500	155		4.6	1.51
		M	616	3300	145		4.6	1.41			M	612	4300	145		3.5	1.88
		M	600	3200	195		6.5	1.48			M	610	3350	250		8.1	1.48
		M	598	2900	150		5.5	1.36			M	590	2700	170		6.7	1.31
		M	598	2800	100		3.7	1.31			M	570	2820	150		5.6	1.52
		M	552	2380	155		7.0	1.42			M	560	2520	170		7.2	1.43
	112	F	638	3800	215		6.0	1.46			M	537	2340	150		6.8	1.51
		F	620	3100	245		8.6	1.30			M	492	1640	60		3.8	1.38
		F	590	2960	200		7.2	1.44		121-C	M	616	3600	95		2.7	1.54
		F	580	2920	145		5.2	1.50		115	F	617	3260	170		5.5	1.39
		F	580	2620	125		5.0	1.34			F	598	3100	220		7.6	1.45
		F	554	2480	150		6.4	1.46			F	595	2920	150		5.4	1.39
		M	630	3000	125		4.3	1.20			F	593	3150	150		5.0	1.51
		M	622	3050	135		4.6	1.27			F	593	3100	140		4.7	1.49
		M	588	2820	140		5.2	1.39			F	588	2820	135		5.0	1.39
		M	566	2940	220		8.1	1.62			F	586	2860	90		3.2	1.42
		M	552	2260	105		4.9	1.34			F	570	2940	210		7.7	1.59
		M	528	2180	110		5.3	1.48			F	563	2400	180		8.1	1.34
		M	524	2000	105		5.5	1.39			F	550	2360	165		7.5	1.42
		M	514	1820	150		9.0	1.34			F	491	1560	83		5.6	1.32
		M	500	1860	120		6.9	1.49			M	600	3100	110		3.7	1.44
G29	138-C	M	650	3950	140		3.7	1.44			M	596	3250	210		6.9	1.54
	124	F	620	3300	180		5.8	1.38			M	583	3050	145		5.0	1.54
		F	608	3600	140		4.0	1.60			M	573	3100	110		3.7	1.65
		F	607	3300	145		4.6	1.48			M	570	2420	120		5.2	1.31
		F	606	3100	150		5.1	1.39			M	556	2560	160		6.7	1.49
		F	602	3000	205		7.3	1.38			M	548	2460	155		6.7	1.49
		F	602	3000	145		5.1	1.38			M	510	1860	100		5.7	1.40
		F	600	3100	145		4.9	1.44			M	494	1640	98		6.4	1.36
		F	600	3050	125		4.3	1.41			M	577	3000	150		5.3	1.56
		F	600	3000	155		5.4	1.39			M	550	2400	120		5.3	1.44
		F	588	3000	115		4.0	1.48		112	F	594	3000	140		4.9	1.43
		F	588	2820	125		4.6	1.39			F	577	2840	180		6.8	1.48
		F	578	2900	220		8.2	1.50			F	573	2800	155		5.9	1.49
		F	570	2320	85		3.8	1.25			F	556	2540	120		5.0	1.48
		F	557	2580	150		6.2	1.49			F	555	2400	180		8.1	1.40
		F	557	2540	200		8.5	1.47			M	633	3700	140		3.9	1.46
		F	550	2660	240		9.9	1.60			M	612	3100	120		4.0	1.35
		F	530	2200	110		5.3	1.48			M	608	3150	190		6.4	1.40
		M	640	4400	195		4.6	1.68			M	600	3150	235		8.1	1.46
		M	617	3000	105		3.6	1.28			M	595	3000	115		4.0	1.42
		M	592	3300	170		5.4	1.59			M	585	3050	155		5.4	1.52
		M	580	2760	155		6.0	1.41			M	518	2020	155		8.3	1.45
		M	560	2600	160		6.6	1.48		93-C	M	594	3150	115		3.8	1.50
		M	550	2580	160		6.6	1.55		82-C	M	680	4550	230		5.3	1.45
		M	540	2320	160		7.4	1.47			M	630	3600	140		4.0	1.44
		M	528	2220	125		6.0	1.51			M	408	1260	63		5.3	1.86

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
	72-C	M	586	3120	140		4.7	1.55			F	578	2880	90		3.2	1.49
	55-C	M	630	3700	125		3.5	1.48			F	576	2840	210		8.0	1.49
		M	546	2320	155		7.2	1.43			F	569	2700	97		3.7	1.47
G30	138-C	F	612	3250	245		8.2	1.42			F	568	2640	150		6.0	1.44
		F	592	2940	260		9.7	1.42			F	564	2680	150		5.9	1.49
		F	556	2480	175		7.6	1.44			F	562	2740	110		4.2	1.54
	124	F	590	3150	275		9.6	1.53			F	558	2640	145		5.8	1.52
		F	582	2920	215		7.9	1.48			F	554	2400	200		9.1	1.41
		F	564	2500	190		8.2	1.39			F	520	2420	150		6.6	1.72
		F	550	2480	175		7.6	1.49			F	510	1940	100		5.4	1.46
		M	660	3900	170		4.6	1.36			M	680	4750	140		3.0	1.51
		M	646	4150	165		4.1	1.54			M	624	3400	110		3.3	1.40
		M	638	3650	250		7.4	1.41			M	620	3500	200		6.1	1.47
		M	590	3150	210		7.1	1.53			M	616	4250	210		5.2	1.82
		M	578	2620	190		7.8	1.36			M	606	3300	200		6.5	1.48
		M	552	2520	145		6.1	1.50			M	598	3350	170		5.3	1.57
		M	526	2040	135		7.1	1.40			M	594	3300	200		6.5	1.57
	121	F	608	3250	195		6.4	1.45			M	588	3250	140		4.5	1.60
		F	596	3000	245		8.9	1.42			M	566	2480	155		6.7	1.37
		F	580	3000	195		7.0	1.54			M	562	2800	150		5.7	1.58
		F	580	2640	145		5.8	1.35			M	546	2220	140		6.7	1.36
		F	566	2580	150		6.2	1.42			M	526	2140	190		9.7	1.47
		F	542	2360	95		4.2	1.48		121	F	640	4000	250		6.7	1.53
		F	496	2860	140		5.1	2.34			F	634	3250	140		4.5	1.28
		M	610	3700	185		5.3	1.63			F	630	3750	300		8.7	1.50
		M	596	3050	180		6.3	1.44			F	604	3100	230		8.0	1.41
		M	584	2860	160		5.9	1.44			F	598	3200	215		7.2	1.50
		M	572	2620	150		6.1	1.40			F	590	3200	145		4.7	1.56
		M	546	2240	175		8.5	1.38			F	590	2880	210		7.9	1.40
		M	534	2120	100		5.0	1.39			F	586	2860	150		5.5	1.42
		M	488	1820	115		7.6	1.39			F	578	2960	150		5.3	1.53
	121-C	F	626	4100	190		4.9	1.67			F	574	2920	170		6.2	1.54
	115	F	604	3100	95		3.2	1.41			F	568	2920	145		5.2	1.59
		F	584	2700	200		8.0	1.36			F	564	2720	125		4.8	1.52
		F	570	2640	115		4.6	1.43			F	556	2220	110		5.2	1.29
		F	536	2680	160		6.3	1.74			F	550	2580	150		6.2	1.55
		F	518	2000	150		8.1	1.44			M	628	3550	200		6.0	1.43
		M	672	3950	150		3.9	1.30			M	612	3050	195		6.8	1.33
		M	626	3800	200		5.6	1.55			M	610	3350	150		4.7	1.48
		M	580	2980	155		5.5	1.53			M	606	3100	195		6.7	1.39
		M	504	1960	98		5.3	1.53			M	600	3000	250		9.1	1.39
		M	490	1620	100		6.6	1.38			M	596	2620	140		5.6	1.24
		M	480	1240	92		8.0	1.27			M	592	2840	200		7.6	1.37
	112	F	584	2680	82		3.2	1.35			M	590	2960	145		5.2	1.44
		F	570	2600	165		6.8	1.40			M	578	2680	165		6.6	1.39
		F	560	2700	130		5.1	1.54			M	574	3100	160		5.4	1.64
		M	646	4400	200		4.8	1.63			M	570	2420	155		6.8	1.31
		M	598	3050	150		5.2	1.43			M	566	2540	110		4.5	1.40
		M	540	2320	120		5.5	1.47			M	564	2620	130		5.2	1.46
		M	434	1040	84		8.8	1.27			M	554	2540	120		5.0	1.49
	106-C	M	652	4200	245		6.2	1.52			M	530	2260	110		5.1	1.52
	93-C	F	426	1020	63		6.6	1.32			M	508	1880	150		8.7	1.43
	82-C	M	500	1860	140		8.1	1.49		121-C	F	602	2850	125		4.6	1.31
G31	157-C	F	602	2950	88		3.1	1.35			F	588	2900	175		6.4	1.43
		F	596	3100	185		6.3	1.46			F	582	2700	150		5.9	1.37
		F	572	2650	255		10.6	1.42			F	578	2500	230		10.1	1.29
		M	626	3400	125		3.8	1.43			F	574	2850	215		8.2	1.51
		M	604	3100	110		3.7	1.41			F	556	2550	215		9.2	1.48
		M	582	2400	115		5.0	1.35			F	534	2280	190		9.1	1.50
	138-C	F	582	2700	130		5.1	1.37			M	644	3050	125		4.3	1.14
		F	538	2250	155		7.4	1.44			M	630	3700	130		3.6	1.48
		M	580	2700	80		3.1	1.38			M	624	3900	170		4.6	1.61
	124	F	638	3550	190		5.7	1.37			M	600	3300	145		4.6	1.53
		F	612	3600	145		4.2	1.57			M	540	2180	120		5.8	1.38
		F	610	3200	165		5.4	1.41			M	520	2200	205		10.3	1.56
		F	608	3200	180		6.0	1.42			M	510	1880	68		3.8	1.42
		F	606	3300	255		8.4	1.48		115	F	632	3600	170		5.0	1.43
		F	600	3000	215		7.7	1.39			F	618	3350	160		5.0	1.42
		F	596	3000	280		10.3	1.42			F	600	3150	150		5.0	1.46
		F	580	2640	83		3.2	1.35			F	600	2900	170		6.2	1.34

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	598	2840	130		4.8	1.33
		F	592	2950	220		8.1	1.42
		F	588	3200	140		4.6	1.57
		F	580	2900	96		3.4	1.49
		F	572	3000	276		10.1	1.60
		F	566	3000	260		9.5	1.65
		F	542	2160	150		7.5	1.36
		F	530	2340	150		6.8	1.57
		F	526	2060	130		6.7	1.42
		M	648	4150	125		3.1	1.53
		M	618	3550	145		4.3	1.50
		M	616	3600	230		6.8	1.54
		M	616	3500	175		5.3	1.50
		M	614	3000	130		4.5	1.30
		M	610	3200	115		3.7	1.41
		M	602	3000	135		4.7	1.38
		M	600	3300	150		4.8	1.53
		M	594	3000	100		3.4	1.43
		M	570	2780	120		4.5	1.50
		M	564	2500	170		7.3	1.39
		M	548	2200	115		5.5	1.34
		M	512	2000	185		10.2	1.49
		M	510	1760	130		8.0	1.33
		M	496	1880	115		6.5	1.54
		M	482	1660	140		9.2	1.48
		M	480	1580	63		4.2	1.43
	112	F	606	3150	170		5.7	1.42
		F	604	3100	130		4.4	1.41
		F	602	3150	245		8.4	1.44
		F	596	3050	115		3.9	1.44
		F	594	2900	185		6.8	1.38
		F	576	2600	110		4.4	1.36
		F	570	1440	136		10.4	0.78
		F	568	2580	250		10.7	1.41
		F	568	2460	165		7.2	1.34
		F	556	2220	190		9.4	1.29
		F	554	2600	140		5.7	1.53
		F	554	2480	195		8.5	1.46
		F	540	2250	66		3.0	1.43
		M	636	3550	120		3.5	1.38
		M	626	3100	105		3.5	1.26
		M	580	2940	155		5.6	1.51
		M	566	2840	170		6.4	1.57
		M	564	2540	195		8.3	1.42
		M	550	2300	180		8.5	1.38
		M	542	2220	152		7.4	1.39
		M	514	2000	125		6.7	1.47
		M	504	1700	146		9.4	1.33
		M	500	1600	87		5.8	1.28
		M	480	1580	126		8.7	1.43
		M	462	1300	98		8.2	1.32
	106-C	F	588	3040	165		5.7	1.50
		M	514	2020	140		7.4	1.49
	93-C	F	580	2750	165		6.4	1.41
		F	552	2450	110		4.7	1.46
		M	594	3150	195		6.6	1.50
		M	472	1520	110		7.8	1.45
	82-C	M	566	2608	155		6.3	1.44
		M	436	1160	87		8.1	1.40
632	157-C	F	634	3520	195		5.9	1.38
		F	584	3050	190		6.6	1.53
		M	650	4200	255		6.5	1.53
		M	614	3150	100		3.3	1.36
		M	600	3100	165		5.6	1.44
		M	534	2140	180		9.2	1.41
	138-C	F	600	3150	220		7.5	1.46
		F	584	2650	170		6.9	1.33
		F	582	2950	135		4.8	1.50
		F	578	2650	190		7.7	1.37
		F	570	2900	180		6.6	1.57
		F	554	2750	125		4.8	1.62
		M	644	3750	185		5.2	1.40
		M	610	2850	105		3.8	1.26
		M	600	3150	220		7.5	1.46
		M	524	1920	165		9.4	1.33
	124	F	635	3600	135		3.9	1.41
		F	624	3500	195		5.9	1.44
		F	620	3400	210		6.6	1.43
		F	618	3550	120		3.5	1.50
		F	607	3000	160		5.6	1.34
		F	606	3100	310		11.1	1.39
		F	593	3400	135		4.1	1.63
		F	580	3050	120		4.1	1.56
		F	566	2820	235		9.1	1.56
		F	550	2460	195		8.6	1.48
		F	532	2220	175		8.6	1.47
		M	647	3600	190		5.6	1.33
		M	626	3600	245		7.3	1.47
		M	620	3500	190		5.7	1.47
		M	600	3400	170		5.3	1.57
		M	600	3100	180		6.2	1.44
		M	597	2860	115		4.2	1.34
		M	590	2840	155		5.8	1.38
		M	583	2960	220		8.0	1.49
		M	566	2640	120		4.8	1.46
		M	564	2420	160		7.1	1.35
		M	562	2100	100		5.0	1.18
		M	554	2480	150		6.4	1.46
		M	548	2280	270		13.4	1.39
		M	545	2460	155		6.7	1.52
	121	F	623	3500	215		6.5	1.45
		F	608	3400	190		5.9	1.51
		F	606	3000	155		5.4	1.35
		F	602	3350	150		4.7	1.54
		F	602	3050	160		5.5	1.40
		F	600	2940	130		4.6	1.36
		F	600	2980	225		8.2	1.38
		F	586	3050	250		8.9	1.52
		F	580	2860	155		5.7	1.47
		F	572	2940	190		6.9	1.57
		F	572	2800	220		8.5	1.50
		F	572	2600	160		6.6	1.39
		F	565	2500	130		5.5	1.39
		F	556	2720	165		6.5	1.58
		F	521	2000	120		6.4	1.41
		M	654	3500	83		2.4	1.25
		M	610	2940	140		5.0	1.30
		M	604	3100	140		4.7	1.41
		M	604	3050	180		6.3	1.38
		M	578	2840	180		6.8	1.47
		M	568	2940	185		6.7	1.60
		M	568	2640	120		4.8	1.44
		M	565	2540	120		5.0	1.41
		M	563	2660	190		7.7	1.49
		M	560	2940	195		7.1	1.67
		M	556	2600	165		6.8	1.51
		M	550	2380	125		5.5	1.43
		M	540	2480	150		6.4	1.57
		M	536	2500	125		5.3	1.62
		M	502	1640	100		6.5	1.30
	121-C	F	600	2900	190		7.0	1.34
		F	580	3100	170		5.8	1.59
		F	568	2640	210		8.6	1.44
		F	546	2280	165		7.8	1.40
		M	574	2880	190		7.1	1.52
		M	574	2540	120		5.0	1.34
		M	556	2820	100		3.7	1.64
		M	474	1640	155		10.4	1.54
	115	F	650	2850	76		2.7	1.04
		F	630	3900	195		5.3	1.56

COHO SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
		F	600	3050	205		7.2	1.41
		F	596	2900	145		5.3	1.37
		F	584	2950	135		4.8	1.48
		F	584	2900	190		7.0	1.46
		F	580	3000	225		8.1	1.54
		F	580	2350	79		3.5	1.20
		F	574	2850	150		5.6	1.51
		F	574	2950	170		6.1	1.56
		F	564	2050	110		5.7	1.14
		F	544	2350	140		6.3	1.46
		F	540	2350	110		4.9	1.49
		F	534	2150	67		3.2	1.41
		M	660	4050	170		4.4	1.41
		M	650	5000	270		5.7	1.82
		M	636	3650	210		6.1	1.42
		M	626	4150	240		6.1	1.69
		M	604	3600	230		6.8	1.63
		M	600	3150	150		5.0	1.46
		M	600	3100	200		6.9	1.44
		M	568	2650	125		5.0	1.45
		M	566	2650	120		4.7	1.46
		M	564	2550	130		5.4	1.42
		M	550	2450	140		6.1	1.47
		M	550	2200	170		8.4	1.32
		M	540	2250	150		7.1	1.43
		M	530	2250	170		8.2	1.51
		M	400	1080	88		8.9	1.69
	112	F	642	3400	270		8.6	1.28
		F	620	3700	250		7.2	1.55
		F	607	3200	130		4.2	1.43
		F	604	3500	205		6.2	1.59
		F	602	3200	280		9.6	1.47
		F	594	2880	265		10.1	1.37
		F	593	3000	170		6.0	1.44
		F	580	2920	200		7.4	1.50
		F	577	2540	160		6.7	1.32
		F	576	2440	190		8.4	1.28
		F	573	2680	78		3.0	1.42
		F	572	2920	230		8.6	1.56
		F	558	2560	120		4.9	1.47
		F	557	2580	280		12.2	1.49
		F	540	2480	165		7.1	1.57
		F	540	2300	155		7.2	1.46
		F	517	1800	140		8.4	1.30
		M	666	4200	150		3.7	1.42
		M	630	3700	135		3.8	1.48
		M	620	3900	210		5.7	1.64
		M	600	2960	140		5.0	1.37
		M	580	3050	145		5.0	1.56
		M	576	2920	220		8.1	1.53
		M	576	2720	200		7.9	1.42
		M	572	2740	180		7.0	1.46
		M	548	2260	160		7.6	1.37
		M	525	2200	160		7.8	1.52
		M	495	1720	70		4.2	1.42
		M	486	1540	120		8.5	1.34
		M	485	1640	120		7.9	1.44
	106-C	F	526	1880	150		8.7	1.29
		F	596	3150	200		6.8	1.49
		F	520	2240	195		9.5	1.59
		M	516	1940	78		4.2	1.41
		M	512	1680	110		7.0	1.25
		M	476	1380	125		10.0	1.28
	93-C	F	594	2800	155		5.9	1.34
		M	640	3950	230		6.2	1.51
		M	598	3350	210		6.7	1.57
	82-C	F	600	3150	145		4.8	1.46
		M	618	3350	160		5.0	1.42
	72-C	M	560	2480	135		5.8	1.41
		M	482	1540	115		8.1	1.38
	63-C	M	634	3450	140		4.2	1.35
	48-C	M	614	3050	155		5.4	1.32

CHINOOK SALMON

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G03	112	M	704	6100	8		0.1	1.75
G04	138-C	F	978	14000	1280		10.1	1.50
	112	F	810	7100	62		0.9	1.34
	109	F	1050	16800	1500		9.8	1.45
G05	109	F	570	2120	15		0.7	1.14
G09	157-C	F	800	6900	65		1.0	1.35
	121	M	720	4800	5		0.1	1.29
G10	124	F	710	4550	45		1.0	1.27
	112	F	634	2820	3		0.1	1.11
		M	666	3850	4		0.1	1.30
G11	124	M	916	10800	385		3.7	1.41
	72-C	F	696	3750	33		0.9	1.11
G12	124	F	736	4450	39		0.9	1.12
	121	M	614	2900	6		0.2	1.25
	115	M	564	2640	120		4.8	1.47
G13	115	F	656	3500	29		0.8	1.24
G14	124	M	618	3250	115		3.7	1.38
		M	580	2950	195		7.1	1.51
	121	M	398	940	43		4.8	1.49
	115	M	770	6600	210		3.3	1.45
		M	620	3400	89		2.7	1.43
	112	M	658	3150	130		4.3	1.11
G15	121	M	790	6300	2		0.0	1.28
		M	614	2940	2		0.1	1.27
		M	600	2820	60		2.2	1.31
	115	F	810	7100	53		0.8	1.34
		F	734	5000	42		0.8	1.26
	112	M	600	2850	2		0.1	1.32
		M	560	2220	100		4.7	1.26
G16	124	M	866	9600	195		2.1	1.48
		M	600	2940	115		4.1	1.36
		M	562	2520	140		5.9	1.42
	121	M	698	4050	5		0.1	1.19
		M	647	3250	4		0.1	1.20
		M	578	3100	155		5.3	1.61
		M	537	2100	3		0.1	1.36
		M	508	1780	87		5.1	1.36
	115	F	656	3600	20		0.6	1.28
		F	630	3050	22		0.7	1.22
	112	M	377	820	44		5.7	1.53
G17	121	F	740	4600	45		1.0	1.14
		M	552	2300	97		4.4	1.37
	115	F	804	6650	55		0.8	1.28
		M	732	5450	285		5.5	1.39
	112	M	604	2780	8		0.3	1.26
		M	556	2120	150		7.6	1.23
		M	526	1820	39		2.2	1.25
G18	121	F	770	6100	59		1.0	1.34
	115	F	585	2680	90		3.5	1.34
		F	512	1620	110		7.3	1.21
		M	688	4250	200		4.9	1.31
	112	M	930	12000	480		4.2	1.49
		M	676	4200	205		5.1	1.36
		M	406	1080	30		2.9	1.61
G19	124	M	610	3250	90		2.8	1.43
	121	M	754	5800	250		4.5	1.35
	115	M	578	2940	92		3.2	1.52
	112	F	846	10000	980		10.9	1.65
		M	390	880	46		5.5	1.48
G20	124	F	604	2820	20		0.7	1.28
		M	614	2860	3		0.1	1.24
	121	F	660	3350	23		0.7	1.17
		M	700	4250	8		0.2	1.24
		M	614	2780	4		0.1	1.20
	L-L	M	655	3650	6		0.2	1.30
G21	121	M	670	3850	2		0.1	1.28
		M	582	2500	4		0.2	1.27
	115	F	850	8500	73		0.9	1.38
	112	M	754	5000	2		0.0	1.17
G22	157-C	F	620	3250	17		0.5	1.36
	121	F	564	2360	18		0.8	1.32
		M	550	2100	2		0.1	1.26
	115	F	610	2920	20		0.7	1.29
	112	F	770	5350	46		0.9	1.17
		F	650	3500	27		0.8	1.27
		F	604	2900	15		0.5	1.32
G23	124	M	670	3800	2		0.1	1.26
		M	610	3000	3		0.1	1.32
	115	F	620	2720	28		1.0	1.14
	112	F	564	2220	17		0.8	1.24
G25	115	M	629	3350	4		0.1	1.35
G26	124	F	604	2900	25		0.9	1.32
		M	638	3150	6		0.2	1.21
		M	624	3100	5		0.2	1.28
	115	M	650	3150	2		0.1	1.15
		M	638	3350	3		0.1	1.29
		M	634	3200	4		0.1	1.26
		M	564	2400	4		0.2	1.34
	112	M	584	2560	4		0.2	1.29
G27	121	M	960	9050	100		1.1	1.02
	115	F	880	10000	97		1.0	1.47
G28	124	M	648	3400	5		0.1	1.25
		M	640	3700	1		0.0	1.41
		M	610	2960	4		0.1	1.30
	121	M	656	3800	5		0.1	1.35
	115	F	770	5800	62		1.1	1.27
		M	730	5300	4		0.1	1.36
	112	M	588	2840	12		0.4	1.40
G29	124	F	600	2900	15		0.5	1.34
		M	640	3300	2		0.1	1.26
	121	F	642	3550	24		0.7	1.34
		M	598	2500	2		0.1	1.17
		M	542	2820	3		0.1	1.77
	115	F	634	3500	36		1.0	1.37
		F	610	2940	17		0.6	1.30
		M	810	8200	15		0.2	1.54
		M	623	3000	2		0.1	1.24
		M	610	2900	2		0.1	1.28
		M	538	2140	3		0.1	1.37
		M	375	660	97		17.2	1.25
	112	F	860	7750	90		1.2	1.22
		F	790	6200	64		1.0	1.26
G30	124	F	664	3400	33		1.0	1.16
	121	M	646	3250	2		0.1	1.21
	112	F	570	2600	14		0.5	1.40
G31	138-C	F	630	3100	19		0.6	1.24
	124	M	674	4800	3		0.1	1.57
		M	606	2860	2		0.1	1.29
	121	F	642	4000	20		0.5	1.51
		F	634	3200	30		0.9	1.26
	115	F	634	3200	23		0.7	1.26
		M	670	4100	2		0.0	1.36
	106-C	M	514	1680	99		6.3	1.24
G32	112	M	718	4200	10		0.2	1.13

STEELHEAD TROUT

NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.	NO.	MESH (MM)	SEX	F.L. (MM)	B.W. (GR)	G.W. (GR)	AGE	G.I.	C.F.
G11	124	M	670	2660	10		0.4	0.88									
G14	112	M	594	1800	4		0.2	0.86									
G15	124	F	690	2900	30		1.0	0.88									
	121	M	558	1680	1		0.1	0.97									
G16	112	F	687	3200	19		0.6	0.99									
G25	121	F	684	4050	140		3.6	1.27									
G32	124	F	742	3800	55		1.5	0.93									

PART II. CRUISES TO THE SOUTH PACIFIC OCEAN

1

THE "OSHORO MARU" CRUISE 43 TO THE SOUTH CHINA SEA AND THE INDIAN OCEAN IN NOVEMBER 1971 - JANUARY 1972

1. Cruise Itinerary

Departure from Hakodate	Nov.	2,	1971
Arrival at Shimizu		4	
Departure from Shimizu		7	
Arrival at Kagoshima		10	
Departure from Kagoshima		13	
Arrival at Kaohsiung		18	
Departure from Kaohsiung		23	
Starting hydrographic cast of the first series (OS 71087) and trawl fishing (OST 7113)		27	
Finishing hydrographic cast (OS 71099) and trawl fishing (OST 7133)	Dec.	3	
Arrival at Penang		6	
Departure from Penang		11	
Starting fish larva sampling		11	
Starting hydrographic cast of the second series (OS 71100)		12	
Starting tuna long-line fishing (OSL 7105)		13	
Finishing hydrographic cast (OS 71110) and tuna long-line fishing (OSL 7109)		17	
Arrival at Singapore		20	
Departure from Singapore		24	
Finishing fish larva sampling		28	
Arrival at Tokyo	Jan.	5,	1972
Departure from Tokyo		9	
Return to Hakodate		11	

Total coverage 10,256.1 miles, 53 days at sea and 18 days in ports

2. Vessel Personnel

Captain:		Associate Professor	Takeji Fujii
Crew:	Chief Officer	Associate Professor	Shoichi Yamamoto
	First Officer	Associate Professor	Kiyoshi Masuda
	Second Officer	Research Associate	Kiyohiko Ishii
	Third Officer	Research Associate	Kunisaburo Yoneta
	Chief Engineer	Research Associate	Shoichi Tomisawa
	First Engineer		Kenzo Omi
	Second Engineer		Ichiro Kataoka
	Third Engineer		Tetsusaburo Inomata
	Chief Radio Operator		Mitsuo Kurotori
	Junior Radio Operator		Tetsuya Nakamura
	Purser		Akira Togashi
	and 26 men		
Research Staff:	Associate Professor (Laboratory of Biology of Fish Population)		Kenichiro Kyushin
Cadets:	20 cadets, Department of Fishing Science		
Total:	59 persons		

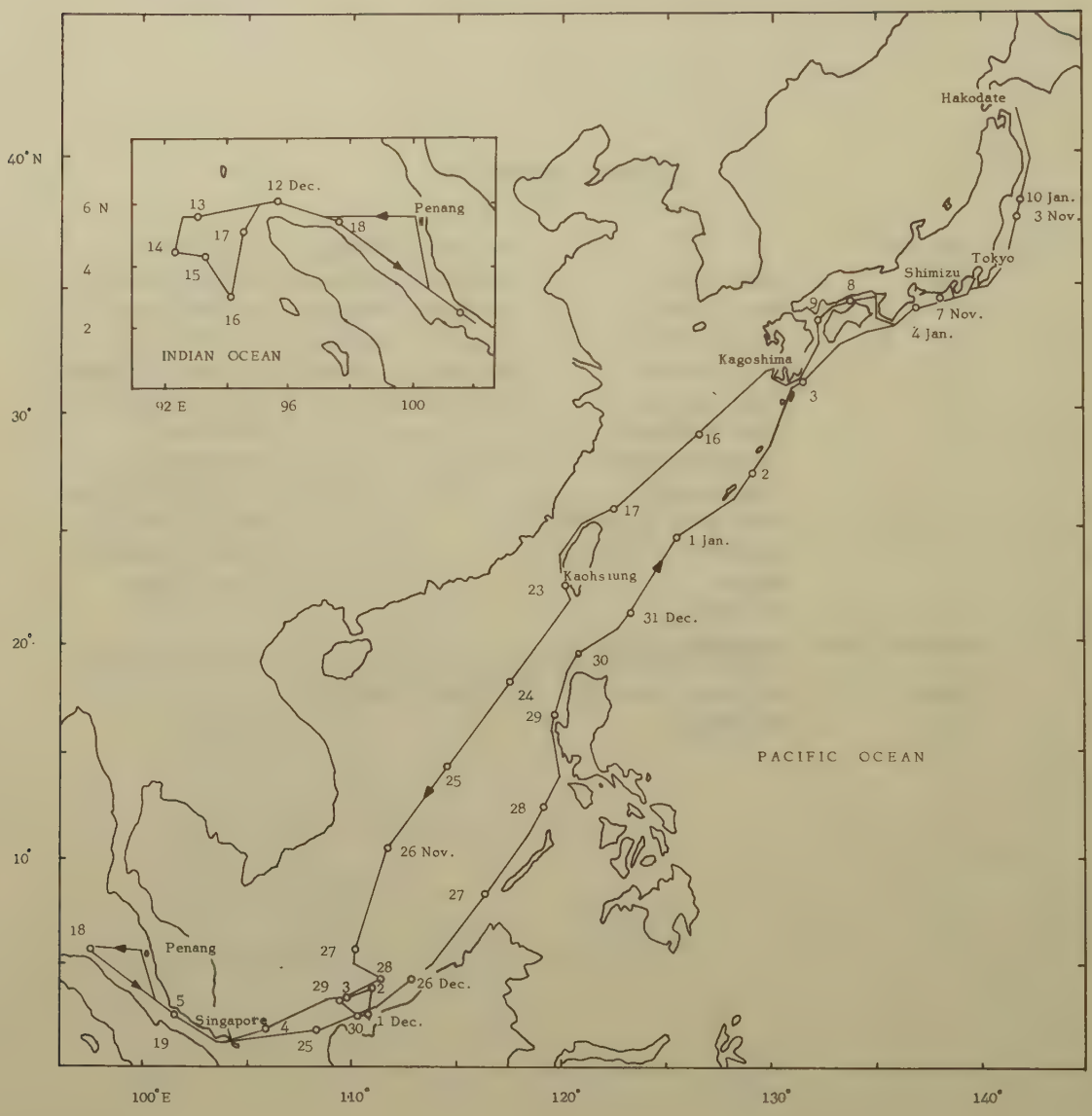


Fig. 1 Track and noon positions

3. Items of Observation

Meteorological observation:

Every three-hours interval, covering the whole courses.

Hydrographic observation:

Temperature and salinity measurement, covering the depths the surface down to about 1,200 m at 24 stations.

Fish larva sampling:

Horizontal surface tow with a stramin larva net at low speed for ten minutes, mostly one hour after sunset, at 11 stations.

Trawl fishing:

21 operations in the northwestern coast of Borneo. Weighing of catch and measurement of biological characters of each species caught.

Tuna fishing:

5 operations in the western sea area off Sumatra. Measurement of biological characters of tuna caught by long line.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Oshoro Maru"

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

Data of OS 71101 was obtained by mean of S.T.D. and omitted in this Data Record

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1. List of oceanographic stations.

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 71087	05-05N	110-09E	Nov.27	1420-1503	Nov.27	0620-0703	D.R.P.
OS 71088	04-18N	111-17E	28	0545-0627	27	2145-2227	A.O.P.
OS 71089	03-40N	110-30E	29	0211-0244	28	1811-1844	D.R.P.
OS 71090	03-00N	109-33E	29	1007-1053	29	0207-0254	A.O.P.
OS 71091	02-43N	109-50E	29	2105-2135	29	1305-1335	D.R.P.
OS 71092	02-10N	110-00E	30	0555-0618	29	2155-2218	Radar
OS 71093	02-08N	110-10E	30	1244-1310	30	0444-0510	Radar
OS 71094	02-07N	110-51E	30	1835-1917	30	1035-1117	Radar
OS 71095	02-21N	110-38E	Dec. 1	1211-1233	Dec. 1	0448-0511	Radar
OS 71096	03-34N	110-38E	2	0500-0537	1	2100-2137	A.O.P.
OS 71097	03-53N	110-58E	2	1300-1333	2	0500-0533	A.O.P.
OS 71098	03-20N	110-10E	2	2302-2330	2	1502-1530	D.R.P.
OS 71099	03-10N	109-20E	3	0522-0550	2	2122-2150	Radar
OS 71100	05-55N	094-41E	12	1649-2007	12	0919-1237	Radar
OS 71101	05-47N	093-50E	13	0046-0120	12	1716-1750	D.R.P.
OS 71102	05-33N	092-59E	13	0813-1010	13	0043-0240	A.O.P.
OS 71103	05-33N	092-30E	13	2057-2320	13	1327-1550	A.O.P.
OS 71104	04-29N	092-19E	14	0800-1000	14	0030-0230	A.O.P.
OS 71105	04-13N	093-00E	14	2135-0012	14	1405-1632	D.R.P.
OS 71106	04-15N	093-15E	15	0800-0952	15	0030-0222	A.O.P.
OS 71107	03-49N	093-43E	15	2050-2307	15	1320-1537	D.R.P.
OS 71108	02-58N	094-10E	16	0845-1141	16	0115-0411	A.O.P.
OS 71109	04-00N	094-21E	16	2127-2338	16	1357-1608	A.O.P.
OS 71110	05-00N	094-28E	17	0805-1040	17	0035-0310	A.O.P.

D.R.P.: position by dead reckoning A.O.P.: position by astronomical observation

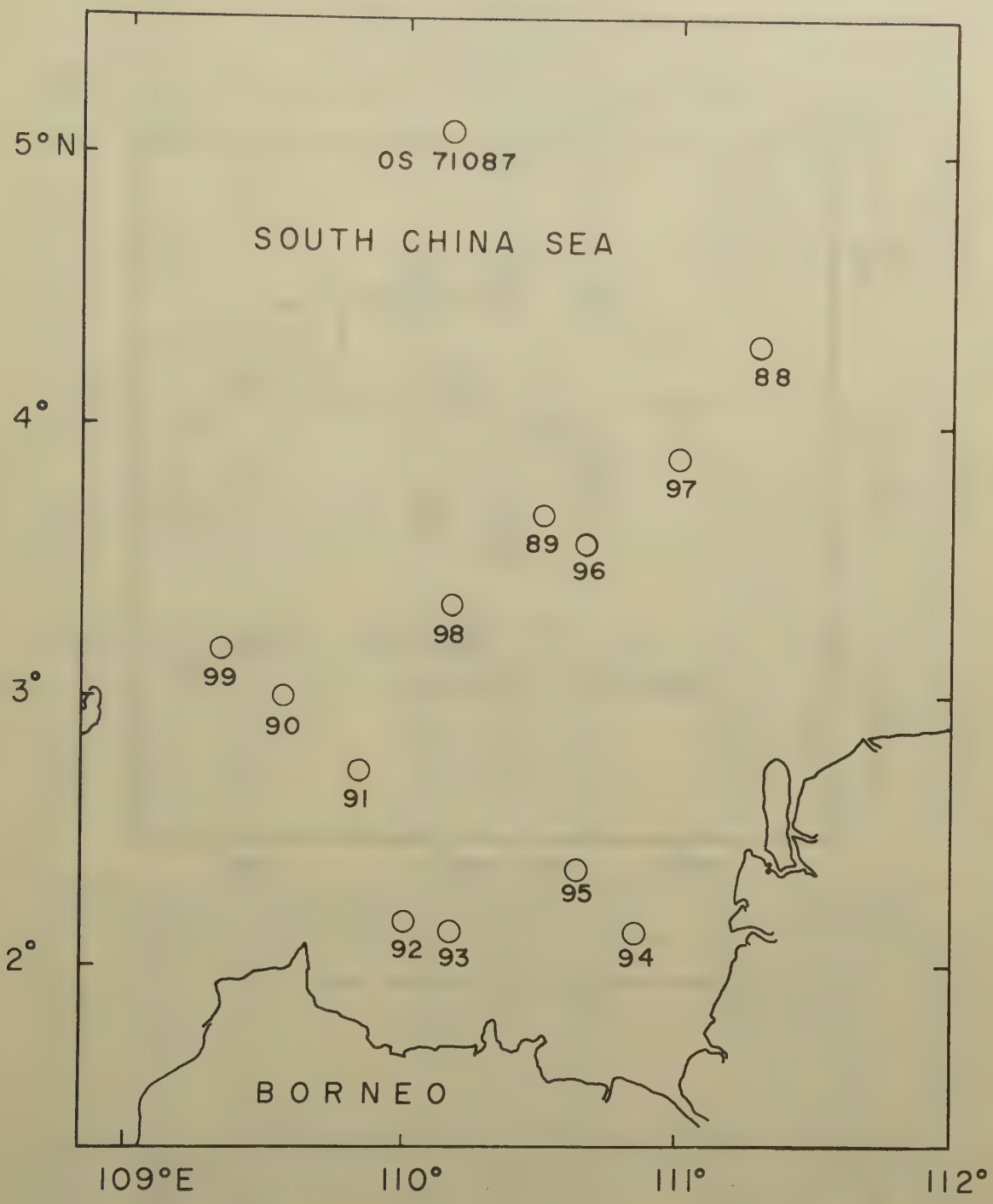


Fig. 2 - A Oceanographic stations to the South China Sea.

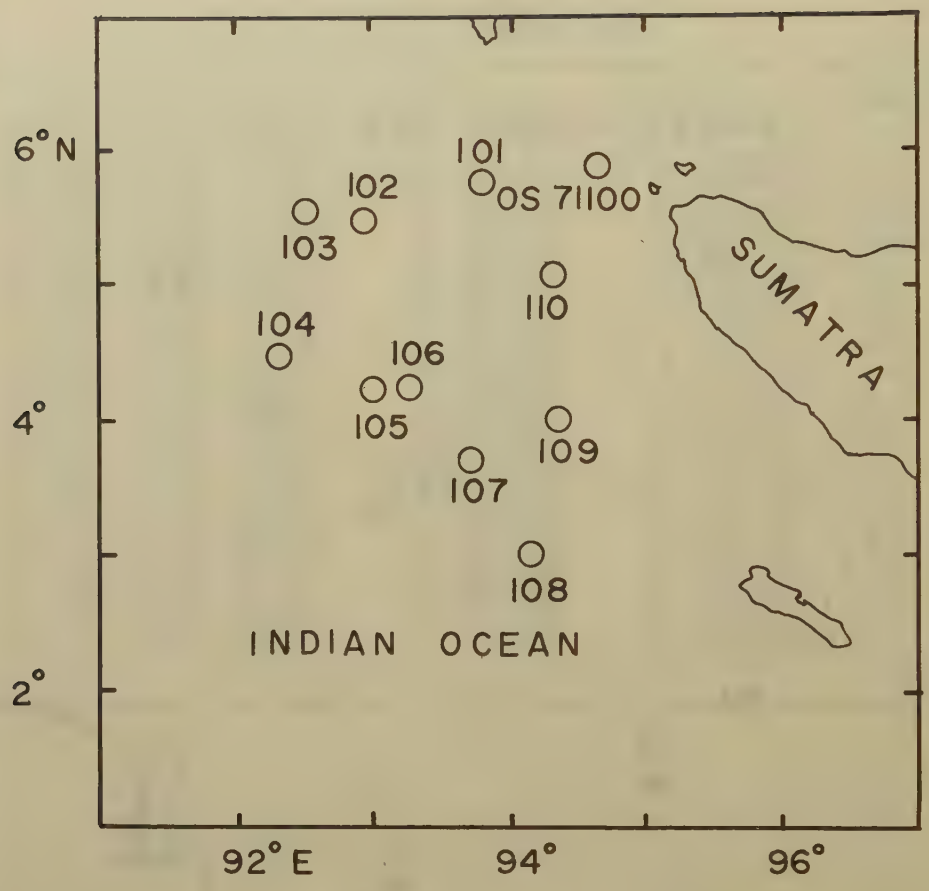


Fig. 2 - B Oceanographic stations to the Indian Ocean.

Table 2. Oceanographic data.

STATION OS71087

LATITUDE 05-05 N LONGITUDE 110-09 E DATE 71-11-27 06.3 (GMT) DEPTH 135 COL. TR. 12
SEA 25 2A SWELL 34 1A WIND 25 03F AIR TEMP. DRY 26.7 WET BAR. WEATHER X9

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.70	32.95		0	26.70	32.95		21.29	651	650	0.000
10	25.90	33.06		10	25.90	33.06		21.63	619	619	0.064
20	25.06	33.28		20	25.06	33.28		22.05	578	579	0.123
29	24.66	33.41		30	24.55	33.44		22.32	552	553	0.180
49	22.49	34.05		50	22.46	34.06		23.40	449	451	0.281
73	22.04	34.15		75	21.92	34.16		23.63	427	430	0.391
97	20.34	34.33		100	20.12	34.35		24.26	367	370	0.491
122	18.50	34.45		125	18.45	34.45		24.76	319	323	0.578
127	18.43	34.45									

STATION OS71088

LATITUDE 04-18 N LONGITUDE 111-17 E DATE 71-11-28 21.7 (GMT) DEPTH 79 COL. TR.
SEA 25 1A SWELL 27 1A WIND 25 01F AIR TEMP. DRY 25.9 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.10	33.26		0	27.10	33.26		21.40	640	640	0.000
9	27.18	33.18		10	27.16	33.19		21.32	648	648	0.064
18	27.00	33.26		20	26.98	33.27		21.44	636	637	0.129
27	26.95	33.27		30	26.94	33.27		21.46	635	635	0.192
46	26.85	33.29		50	26.81	33.30		21.52	629	631	0.319
69	26.53	33.33									

STATION OS71089

LATITUDE 03-40 N LONGITUDE 110-30 E DATE 71-11-29 18.1 (GMT) DEPTH 69 COL. TR.
SEA 29 2A SWELL 33 1A WIND 29 02F AIR TEMP. DRY 26.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	32.98		0	27.90	32.98		20.93	685	685	0.000
10	27.81	32.96		10	27.81	32.96		20.95	684	684	0.069
20	27.81	32.96		20	27.81	32.96		20.95	684	684	0.137
30	27.14	33.18		30	27.14	33.18		21.33	647	648	0.204
49	26.83	33.30		50	26.82	33.30		21.52	629	630	0.332
65	26.81	33.33									

STATION OS71090

LATITUDE 03-00 N LONGITUDE 109-33 E DATE 71-11-29 02.1 (GMT) DEPTH 66 COL. TR. 19
SEA 27 2A SWELL 36 1A WIND 27 02F AIR TEMP. DRY 27.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.20	32.87		0	28.20	32.87		20.75	702	702	0.000
10	28.08	32.85		10	28.08	32.85		20.78	700	700	0.070
19	27.94	32.90		20	27.82	32.95		20.94	685	685	0.140
29	26.61	33.41		30	26.56	33.43		21.70	612	613	0.204
48	26.50	33.44		50	26.51	33.44		21.72	609	611	0.327
57	26.56	33.44									

STATION OS71091

LATITUDE 02-43 N LONGITUDE 109-50 E DATE 71-11-29 13.0 (GMT) DEPTH 56 COL. TR.
SEA 27 2A SWELL 36 1A WIND 27 02F AIR TEMP. DRY 26.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	32.79		0	28.10	32.79		20.72	705	705	0.000
10	28.15	32.74		10	28.15	32.74		20.67	710	710	0.071
20	28.07	32.80		20	28.07	32.80		20.74	703	704	0.142
29	27.97	32.86		30	27.95	32.87		20.83	695	695	0.212
49	27.09	33.17									

STATION OS71092

LATITUDE 02 10 N LONGITUDE 110-00 E DATE 71-11-30 21.9 (GMT) DEPTH 36 COL. 05 TR.
SEA 23 1A SWELL 23 1A WIND 23 01F AIR TEMP. DRY 26.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	32.35		0	27.80	32.35		20.49	727	727	0.000
10	28.14	32.35		10	28.14	32.35		20.38	738	738	0.073
20	28.15	32.35		20	28.15	32.35		20.38	738	739	0.147
30	28.04	32.69		30	28.04	32.69		20.67	710	711	0.220

STATION OS71093

LATITUDE 02-08 N LONGITUDE 110-10 E DATE 71-11-30 04.7 (GMT) DEPTH 28 COL. 05 TR. 12
SEA 18 1A SWELL 18 1A WIND 18 01F AIR TEMP. DRY 28.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.40	32.16		0	28.40	32.16		20.15	760	760	0.000
10	28.34	32.15		10	28.34	32.15		20.17	759	759	0.076
19	28.16	32.25		20	28.15	32.28		20.33	743	744	0.151
28	28.07	32.66									

STATION OS71094

LATITUDE 02-07 N LONGITUDE 110-51 E DATE 71-11-30 10.5 (GMT) DEPTH 42 COL. TR.
SEA 22 2A SWELL 25 1A WIND 22 02F AIR TEMP. DRY 25.7 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.40	31.87		0	28.40	31.87		19.94	781	780	0.000
10	28.51	31.86		10	28.51	31.86		19.89	785	785	0.078
20	28.45	31.98		20	28.45	31.98		20.00	774	775	0.156
29	28.03	32.61		30	28.00	32.65		20.65	712	713	0.231
40	27.97	32.68									

STATION OS71095

LATITUDE 02-21 N LONGITUDE 110-38 E DATE 71-12-01 04.8 (GMT) DEPTH 37 COL. 05 TR. 20
SEA 27 2A SWELL 34 1A WIND 27 02F AIR TEMP. DRY 27.6 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.30	32.30		0	28.30	32.30		20.29	747	746	0.000
10	28.38	32.28		10	28.38	32.28		20.25	751	751	0.075
20	28.23	32.28		20	28.23	32.28		20.30	746	746	0.150
29	28.18	32.37		30	28.17	32.37		20.39	737	738	0.224
35	28.12	32.38									

STATION OS71096

LATITUDE 03-34 N LONGITUDE 110-38 E DATE 71-12-02 21.0 (GMT) DEPTH 60 COL. TR.
SEA 04 2A SWELL 36 2A WIND 04 01F AIR TEMP. DRY 26.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.60	32.89		0	27.60	32.89		20.96	682	682	0.000
10	27.75	32.92		10	27.75	32.92		20.94	685	685	0.068
20	27.27	32.84		20	27.27	32.84		21.03	676	676	0.137
30	27.04	33.19		30	27.04	33.19		21.37	644	644	0.203
49	26.86	33.29		50	26.86	33.29		21.50	631	632	0.330
57	26.91	33.30									

STATION OS71097

LATITUDE 03-53 N LONGITUDE 110-58 E DATE 71-12-02 05.0 (GMT) DEPTH 70 COL. TR. 27
SEA 03 1A SWELL 35 1A WIND 03 02F AIR TEMP. DRY 28.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.50	32.73		0	27.50	32.73		20.87	691	691	0.000
10	27.32	32.72		10	27.32	32.72		20.92	686	686	0.069
20	27.04	32.76		20	27.04	32.76		21.04	675	675	0.137
30	27.26	33.14		30	27.26	33.14		21.26	654	655	0.204
49	26.93	33.26		50	26.92	33.26		21.46	635	636	0.333
65	26.97	33.27									

STATION OS71098

LATITUDE 03-20 N LONGITUDE 110-10 E DATE 71-12-02 15.0 (GMT) DEPTH 74 COL. TR.
SEA 02 2A SWELL 34 1A WIND 02 02F AIR TEMP. DRY 27.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.40	32.94		0	27.40	32.94		21.06	673	672	0.000
10	28.01	32.94		10	28.01	32.94		20.87	691	692	0.068
20	27.53	33.11		20	27.53	33.11		21.15	664	665	0.136
30	26.56	33.25		30	26.56	33.25		21.56	625	626	0.201
49	26.51	33.40		50	26.51	33.40		21.69	612	614	0.325
70	26.58	33.42									

STATION OS71099

LATITUDE 03-10 N LONGITUDE 109-20 E DATE 71-12-03 21.3 (GMT) DEPTH 70 COL. TR.
SEA 03 1A SWELL 36 2A WIND 03 02F AIR TEMP. DRY 26.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.70	33.10		0	27.70	33.10		21.09	670	670	0.000
10	27.43	33.09		10	27.43	33.09		21.17	663	663	0.067
20	27.41	33.30		20	27.41	33.30		21.33	647	647	0.132
30	26.85	33.37		30	26.85	33.37		21.56	625	626	0.196
49	26.20	33.42		50	26.18	33.42		21.81	601	603	0.319
67	26.22	33.43									

STATION OS71100

LATITUDE 05-55 N LONGITUDE 094-41 E DATE 71-12-12 09.3 (GMT) DEPTH 1350 COL. 04 TR.
SEA 07 3A SWELL 06 1A WIND 07 05F AIR TEMP. DRY 26.4 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	33.49		0	27.90	33.49		21.31	649	648	0.000
9	28.01	33.43		10	28.01	33.43		21.23	656	657	0.065
17	28.00	33.44		20	28.00	33.46		21.26	654	654	0.131
25	28.02	33.51		30	28.07	33.62		21.36	645	646	0.196
42	28.17	33.90		50	28.13	34.00		21.62	619	621	0.323
64	27.94	34.11		75	27.73	34.17		21.88	594	597	0.475
85	27.54	34.23		100	24.49	34.34		23.02	486	489	0.611
125	19.41	34.59		125	19.41	34.59		24.62	332	336	0.714
140	15.61	34.80		150	14.70	34.87		25.96	206	210	0.783
169	12.96	34.93		200	12.28	35.01		26.56	148	153	0.873
207	12.13	35.02		250	11.49	35.04		26.74	131	137	0.946
294	11.04	35.03		300	10.99	35.03		26.82	124	130	1.013
383	10.38	35.01		400	10.27	35.01		26.93	113	121	1.140
470	9.78	35.02		500	9.54	35.02		27.06	100	110	1.256
567	8.92	35.01									

STATION OS71102

LATITUDE 05-33 N LONGITUDE 092-59 E DATE 71-12-13 00.7 (GMT) DEPTH 1950 COL. TR. 21
SEA 07 3A SWELL 05 1A WIND 07 04F AIR TEMP. DRY 27.6 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	34.09		0	28.10	34.09		21.70	612	611	0.000
10	28.15	34.05		10	28.15	34.05		21.65	616	616	0.061
20	28.13	34.09		20	28.13	34.09		21.69	613	613	0.123
29	28.11	34.20		30	28.11	34.21		21.78	604	604	0.184
49	28.05	34.28		50	28.05	34.29		21.86	596	598	0.304
74	27.82	34.48		75	27.81	34.49		22.10	574	576	0.451
98	26.58	34.71		100	26.21	34.69		22.76	510	514	0.587
123	21.97	34.49		125	21.57	34.50		23.98	394	398	0.702
147	17.55	34.72		150	17.15	34.74		25.30	268	273	0.786
196	13.48	34.91		200	13.36	34.92		26.27	175	181	0.899
232	12.84	34.95		250	12.50	34.98		26.49	155	161	0.985
275	12.04	35.01		300	11.70	35.03		26.69	136	143	1.061
362	11.01	35.04		400	10.58	35.04		26.90	116	125	1.196
450	10.08	35.03		500	9.73	35.02		27.04	103	113	1.315
538	9.50	35.02		600	9.14	35.01		27.13	94	106	1.425
719	8.44	35.00		800	7.87	34.98		27.30	78	92	1.625
904	7.16	34.95		1000	6.63	34.93		27.44	65	80	1.798
1091	6.21	34.92									

STATION OS71103

LATITUDE 05-33 N LONGITUDE 092-30 E DATE 71-12-13 13.4 (GMT) DEPTH 1350 COL. TR.
SEA 08 3A SWELL 05 1A WIND 08 04F AIR TEMP. DRY 27.6 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	33.75		0	27.90	33.75		21.51	630	629	0.000
9	27.97	33.67		10	27.96	33.66		21.42	638	638	0.063
18	27.93	33.68		20	27.96	33.74		21.48	632	633	0.127
27	28.08	34.00		30	28.06	34.11		21.73	609	610	0.189
44	27.93	34.48		50	27.98	34.42		21.99	584	586	0.309
66	28.15	34.26		75	28.20	34.29		21.82	600	603	0.458
88	28.14	34.39		100	27.79	34.49		22.10	573	577	0.605
110	27.50	34.60		125	27.35	34.90		22.55	530	535	0.745
132	27.28	35.02		150	25.10	35.08		23.39	450	455	0.868
177	18.46	34.69									

STATION OS71104

LATITUDE 04-29 N LONGITUDE 092-19 E DATE 71-12-14 00.5 (GMT) DEPTH 1250 COL. 02 TR. 38
SEA 36 1A SWELL 05 1A WIND 36 01F AIR TEMP. DRY 27.7 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.00	33.56		0	28.00	33.56		21.33	647	646	0.000
10	27.06	33.65		10	27.06	33.65		21.71	611	611	0.063
20	28.17	33.92		20	28.17	33.92		21.55	626	627	0.125
30	28.10	33.98		30	28.10	33.98		21.62	620	620	0.187
50	27.66	34.45		50	27.66	34.45		22.11	572	574	0.307
74	26.74	34.56		75	26.69	34.56		22.51	534	537	0.446
99	24.86	34.58		100	24.74	34.58		23.12	475	479	0.573
124	21.14	34.59		125	20.95	34.60		24.22	371	375	0.680
149	16.66	34.79		150	16.54	34.80		25.49	250	255	0.759
199	12.95	34.96		200	12.92	34.96		26.40	164	169	0.865
241	12.39	35.03		250	12.26	35.04		26.59	146	152	0.945
288	11.73	35.05		300	11.59	35.05		26.73	133	140	1.018
380	10.82	35.04		400	10.67	35.04		26.88	118	127	1.152
472	10.19	35.02		500	10.00	35.02		26.99	108	118	1.275
565	9.52	35.02		600	9.20	35.01		27.11	96	108	1.388
750	7.89	34.96		800	7.61	34.95		27.31	77	90	1.587
938	6.96	34.93		1000	6.66	34.92		27.42	66	81	1.759
1128	6.04	34.90									

STATION OS71105

LATITUDE 04-13 N LONGITUDE 093-00 E DATE 71-12-14 14.0 (GMT) DEPTH 1540 COL. TR.
SEA 04 4A SWELL 05 1A WIND 04 04F AIR TEMP. DRY 27.5 WET BAR. WEATHER

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.20	34.12		0	28.20	34.12		21.69	613	612	0.000
10	28.25	34.15		10	28.25	34.15		21.70	612	612	0.061
19	28.17	34.15		20	28.16	34.15		21.73	609	610	0.122
29	28.05	34.16		30	28.04	34.16		21.77	605	606	0.183
48	27.98	34.22		50	27.98	34.22		21.84	598	600	0.304
71	27.95	34.29		75	27.93	34.35		21.95	587	590	0.453
95	27.83	34.67		100	27.06	34.70		22.49	536	539	0.594
119	24.12	34.71		125	22.85	34.69		23.77	414	418	0.714
143	19.03	34.65		150	18.26	34.68		24.98	298	303	0.804
190	13.86	34.92		200	13.51	34.95		26.27	176	181	0.925
228	12.52	35.00		250	12.33	35.03		26.57	148	154	1.009
274	12.12	35.05		300	11.88	35.05		26.67	138	145	1.084
363	11.28	35.04		400	10.89	35.03		26.84	122	131	1.222
453	10.34	35.02		500	9.87	35.01		27.00	106	117	1.347
544	9.46	35.00		600	8.96	34.99		27.14	94	105	1.458
727	8.00	34.97		800	7.60	34.95		27.32	76	90	1.654
915	7.04	34.93		1000	6.59	34.92		27.43	66	80	1.825
1107	6.04	34.90		1200	5.61	34.88		27.53	56	71	1.978
1400	4.80	34.85									

STATION OS71106

LATITUDE 04-15 N LONGITUDE 093-15 E DATE 71-12-15 00.5 (GMT) DEPTH 3000 COL. 03 TR. 38
SEA 19 2A SWELL 04 1A WIND 18 03F AIR TEMP. DRY 26.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	34.02		0	27.90	34.02		21.71	610	610	0.000
10	28.08	34.07		10	28.08	34.07		21.69	612	613	0.061
20	28.05	34.07		20	28.05	34.07		21.70	611	612	0.122
30	28.03	34.08		30	28.03	34.08		21.72	610	611	0.184
49	28.00	34.21		50	28.00	34.21		21.82	600	601	0.305
74	27.98	34.37		75	27.99	34.39		21.96	587	589	0.454
99	27.66	34.81		100	27.62	34.81		22.40	545	549	0.596
123	25.20	34.78		125	24.60	34.78		23.32	457	462	0.723
148	17.69	34.78		150	17.52	34.79		25.25	273	278	0.815
197	13.60	35.02		200	13.46	35.02		26.34	169	175	0.929
244	12.18	35.02		250	12.09	35.02		26.61	144	150	1.010
293	11.71	35.04		300	11.65	35.04		26.71	134	141	1.083
391	10.92	35.04		400	10.87	35.04		26.85	121	130	1.219
489	10.25	35.02		500	10.10	35.02		26.97	110	120	1.345
587	8.90	34.99		600	8.79	34.99		27.16	91	103	1.457
783	7.78	34.96		800	7.67	34.96		27.31	77	91	1.651
979	6.55	34.92		1000	6.44	34.92		27.45	64	78	1.821
1178	5.75	34.88									

STATION OS71107

LATITUDE 03-49 N LONGITUDE 093-43 E DATE 71-12-15 13.3 (GMT) DEPTH 1280 COL. TR.
SEA SWELL 18 1A WIND CALM AIR TEMP. DRY 28.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.90	33.91		0	28.90	33.91		21.30	650	650	0.000
10	28.06	33.90		10	28.06	33.90		21.57	624	624	0.064
20	28.07	33.78		20	28.07	33.78		21.48	633	633	0.127
30	28.01	34.01		30	28.01	34.01		21.67	615	615	0.189
50	27.91	34.01		50	27.91	34.01		21.70	611	613	0.312
75	27.95	34.26		75	27.95	34.26		21.88	595	597	0.464
100	27.68	34.63		100	27.68	34.63		22.24	560	563	0.609
125	24.95	34.74		125	24.95	34.74		23.18	470	474	0.739
150	17.05	34.81		150	17.05	34.81		25.38	261	265	0.831
200	13.18	35.00		200	13.18	35.00		26.37	166	171	0.941
245	12.20	35.05		250	12.15	35.05		26.62	143	149	1.021
294	11.81	35.05		300	11.75	35.05		26.69	136	143	1.094
392	10.80	35.03		400	10.71	35.03		26.87	119	128	1.229
490	9.80	35.02		500	9.72	35.02		27.03	103	114	1.351
600	9.02	35.01		600	9.02	35.01		27.14	93	105	1.460
784	8.26	34.98		800	8.15	34.98		27.25	83	97	1.663
980	6.81	34.93		1000	6.68	34.93		27.42	66	81	1.841
1176	5.72	34.89									

STATION OS71108

LATITUDE 02-58 N LONGITUDE 094-10 E DATE 71-12-16 01.2 (GMT) DEPTH COL. 03 TR. 22
SEA 18 1A SWELL 34 1A WIND 18 02F AIR TEMP. DRY 26.6 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	33.54		0	27.80	33.54		21.38	642	641	0.000
10	27.91	33.54		10	27.91	33.54		21.35	645	645	0.064
20	27.99	33.75		20	27.99	33.75		21.48	633	633	0.128
30	28.04	33.91		30	28.04	33.91		21.58	623	624	0.191
50	27.94	33.99		50	27.94	33.99		21.68	614	615	0.315
75	27.95	34.03		75	27.95	34.03		21.70	611	614	0.469
100	27.55	34.48		100	27.55	34.48		22.17	566	570	0.617
125	26.82	34.65		125	26.82	34.65		22.53	532	537	0.756
150	21.00	34.74		150	21.00	34.74		24.32	362	367	0.869
200	13.01	35.02		200	13.01	35.02		26.42	161	166	1.002
245	11.70	35.04		250	11.62	35.04		26.71	134	140	1.079
300	11.11	35.04		300	11.11	35.04		26.81	125	132	1.147
329	10.85	35.03		400	10.27	35.01		26.94	113	121	1.274
499	9.57	35.00		500	9.56	35.00		27.05	102	112	1.391
600	8.97	34.99		600	8.97	34.99		27.13	94	105	1.501
800	7.86	34.96		800	7.86	34.96		27.28	80	93	1.700
858	7.58	34.95		1000	6.83	34.93		27.41	68	83	1.878
1063	6.46	34.92									

STATION OS71109

LATITUDE 04-00 N LONGITUDE 094-21 E DATE 71-12-16 13.9 (GMT) DEPTH 1520 COL. TR.
SEA 03 1A SWELL 16 1A WIND 03 02F AIR TEMP. DRY 27.5 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	33.35		0	28.10	33.35		21.14	665	665	0.000
10	28.19	33.39		10	28.19	33.39		21.15	665	665	0.067
20	28.05	33.67		20	28.05	33.67		21.40	640	641	0.132
30	28.00	33.81		30	28.00	33.81		21.52	629	630	0.195
50	27.92	33.98		50	27.92	33.98		21.68	614	616	0.320
75	28.03	34.42		75	28.03	34.42		21.97	586	588	0.471
100	27.41	34.52		100	27.41	34.52		22.25	559	563	0.615
125	24.57	34.63		125	24.57	34.63		23.21	467	471	0.744
150	19.76	34.64		150	19.76	34.64		24.57	337	342	0.846
200	13.03	34.96		200	13.03	34.96		26.37	166	171	0.975
246	12.22	35.02		250	12.17	35.02		26.59	145	151	1.055
295	11.66	35.04		300	11.61	35.04		26.71	134	141	1.128
393	10.69	35.03		400	10.62	35.03		26.89	117	126	1.262
490	9.85	35.04		500	9.79	35.04		27.04	103	113	1.383
588	9.30	35.00		600	9.23	35.00		27.10	97	109	1.494
783	8.04	34.97		800	7.91	34.96		27.28	80	94	1.698
978	6.58	34.91		1000	6.44	34.91		27.44	65	79	1.872
1172	5.61	34.88		1200	5.51	34.88		27.54	56	70	2.022
1366	5.16	34.86									

STATION OS71110

LATITUDE 05-05 N LONGITUDE 094-28 E DATE 71-12-17 00.5 (GMT) DEPTH 2750 COL. 02 TR. 23
SEA 12 2A SWELL 20 1A WIND 12 02F AIR TEMP. DRY 27.9 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	33.60		0	27.90	33.60		21.40	641	640	0.000
9	28.15	33.60		10	28.16	33.60		21.31	649	649	0.065
17	28.15	33.62		20	28.16	33.68		21.38	643	643	0.129
26	28.16	33.83		30	28.12	33.89		21.54	627	627	0.193
43	27.99	34.03		50	27.99	34.08		21.73	609	611	0.317
64	28.03	34.19		75	28.07	34.39		21.93	589	592	0.467
86	28.11	34.54		100	27.45	34.46		22.19	565	569	0.612
107	26.95	34.39		125	25.36	34.42		22.81	505	510	0.747
129	24.86	34.44		150	19.61	34.63		24.60	334	339	0.853
171	14.35	34.84		200	13.19	34.95		26.33	170	175	0.982
213	12.67	34.97		250	11.89	35.02		26.64	140	146	1.063
255	11.82	35.02		300	11.40	35.04		26.75	130	137	1.134
337	11.05	35.04		400	10.51	35.03		26.90	116	124	1.265
419	10.34	35.02		500	9.53	35.01		27.06	101	111	1.383
502	9.51	35.01		600	8.85	34.99		27.16	92	103	1.491
665	8.50	34.98		800	7.69	34.96		27.31	78	91	1.686
828	7.53	34.95		1000	6.68	34.91		27.41	67	82	1.860
995	6.70	34.91									

STATION OS71101

LATITUDE 05-47 N LONGITUDE 093-50 E DATE 71-12-13 17.2 (GMT) DEPTH 1335 COL. TR.
SEA 07 3A SWELL 10 1A WIND 07 05F AIR TEMP. DRY 27.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.00	33.90		0	28.00	33.90		21.59	622	622	0.000
10	28.00	33.90		10	28.00	33.90		21.59	622	622	0.062
20	28.00	33.90		20	28.00	33.90		21.59	622	623	0.125
30	27.90	33.90		30	27.90	33.90		21.62	619	620	0.187
50	27.70	34.10		50	27.70	34.10		21.84	598	600	0.309
75	27.40	34.40		75	27.40	34.40		22.16	568	570	0.455
100	22.80	34.20		100	22.80	34.20		23.41	448	452	0.583
125	20.40	34.40		125	20.40	34.40		24.22	371	375	0.687
150	16.40	34.70		150	16.40	34.70		25.44	254	259	0.766
200	13.80	34.80		200	13.80	34.80		26.09	193	198	0.880
250	12.30	35.00		250	12.30	35.00		26.55	149	155	0.969
300	11.10	35.00		300	11.10	35.00		26.78	128	134	1.041
400	10.10	35.00		400	10.10	35.00		26.95	111	119	1.169
500	9.80	35.00		500	9.80	35.00		27.01	106	116	1.287

5. Data on Trawl Fishing

Stern trawling was carried out 21 stations on the South China Sea during Nov. 27 - Dec. 3, 1971.

Operation was supervised by the captain and officers, and all hands of crew and cadets were engaged in the operation.

Catch was processed by deck officers, crew and cadets, and data of catch were recorded by the chief officer.

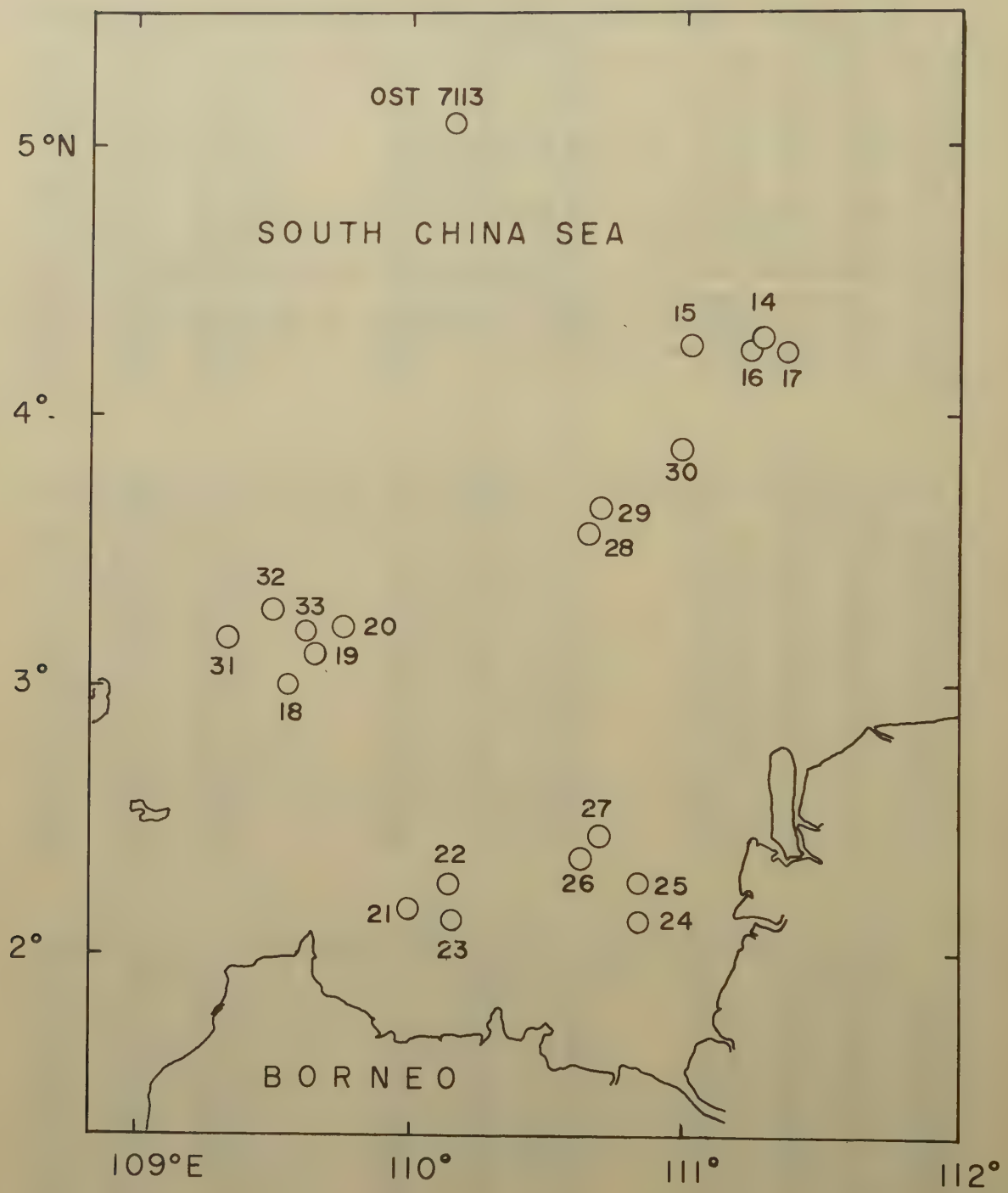


Fig. 3 Locations of trawl fishing.

Table 3. Data on trawl fishing.

No. of fishing	Date and time of net cast	Position Lat.(N)	Position Long.(E)	Direction of tow	Duration of tow	Speed of tow (Kt)	Depth of sea bottom (m)	Quality of bottom	Temperature (°C) Surface	Temperature (°C) Near bottom	W^r	Wind
OST 7113	Nov. 27 1505	05-04	110-16	270	$2^h\ 00^m$	3.7	135		26.7	18.5	bc	West 3
OST 7114	28 0620	04-18	111-17	260	2 00	4.6	80	gy M.S	27.1	26.6	bc	WSW 2
OST 7115	28 0912	04-16	111-02	80	2 00	1.8	80		27.0		c	WSW 2
OST 7116	28 1351	04-12	111-15	75	2 00	1.7	78		27.3		c	SW 2
OST 7117	28 1620	04-15	111-20	75	1 57	1.8	80		27.2		c	WSW 2
OST 7118	29 1056	03-00	107-33	45	2 03	3.1	67		28.2	26.6	bc	West 3
OST 7119	29 1336	03-17	109-42	45	2 00	3.4	70		27.4		c	WSW 3
OST 7120	29 1614	03-15	109-53	225	2 00	4.3	74		27.5		c	WSW 2
OST 7121	30 0633	02-10	110-00	80-70	2 02	3.3	36	gy M.S	27.8	28.0	c	SW 3
OST 7122	30 0907	02-15	110-09	70	2 04	3.8	36		27.5		c	South 2
OST 7123	30 1310	02-08	110-10	70	2 00	4.4	33	gy M.S	28.4	28.0	c	South 1
OST 7124	Dec 1 0640	02-07	110-51	10	1 58	3.3	38	gy M.S	28.4	27.9	o	ESE 2
OST 7125	1 0909	02-17	110-51	0	2 02	3.0	38		27.7		c	ESE 2
OST 7126	1 1313	02-21	110-38	10	1 58	3.0	40	gy M.S.Sh	28.3	28.1	c	East 2
OST 7127	1 1540	02-27	110-41	190	2 00	3.0	38		28.3		c	ESE 2
OST 7128	2 0632	03-34	110-38	50	2 00	2.7	60	S. Sh	27.6	27.0	c	NE 2
OST 7129	2 0948	03-42	110-50	50	2 00	3.0	62		26.9		bc	ENE 2
OST 7130	2 1334	03-53	110-00	250	2 01	3.4	69	S	27.5	27.1	bc	NE 2
OST 7131	3 0638	03-10	109-20	60	2 00	3.7	70	gy Cy	27.7	26.3	c	NNE 3
OST 7132	3 0941	03-17	109-30	60	1 57	3.6	74		26.9		c	NE 2
OST 7133	3 1322	03-10	109-38	260	2 01	3.9	70		27.5		c	ENE 2

W^r : Weather

Table 4. Data on catches by trawl fishing in kg per haul.

Species	Gyoshu	7113	7114	7115	7116
Lamniformes	Same		6.0	13.0	19.0
Rajiformes	Gangiei	2.3	1.1		
Sardinops spp.	Iwashi				
Ilisha elongata	Hira				
Chirocentrus hypselosoma	Ookuchisaito				
Synodontidae	Eso	10.0		4.0	3.3
Tachysurus sp.	Hamagigi		2.5	37.0	14.0
Muraenesox cinereus	Hamo				
Aulostomicae	Yagara		0.9	1.3	1.8
Sphyraena spp.	Kamasu	0.4			
Rastrelliger canagurta	Gurukuma			0.8	1.7
Scomberomorus spp.	Sawara			0.5	2.0
Trichiurus haumela	Tachiuo		2.1	6.0	11.0
Caranginae	Aji	1.5		11.1	19.6
Caranx spp.	Kaiwari	1.5			
Zonichthys nigrofasciata	Aiburi			2.5	
Leiognathus spp.	Hiiragi		0.3	3.1	3.4
Rachycentron canadum	Sugi		0.8		
Stromateina	Ibodai	11.2	0.6	1.2	2.3
Upeneus spp.	Himeji		0.1	0.3	3.5
Pseudupeneus spp.	Umihigoi		0.3		0.6
Priacanthus spp.	Kintokidai	171.0	13.2	188.0	39.0
Epinephelinae	Hata	1.4		3.0	3.0
Argyrosomus spp.	Ishimochi		8.0	12.0	10.0
Pentaprion longimanus	Taiwansagi		0.1	0.2	0.1
Argyrops spinifer	Taiwandai		2.1		
Lethrinus spp.	Fuefukidai				
Lutjanus spp.	Fuedai		8.5	11.2	10.0
Pristipomoides spp.	Himedai		22.0	4.1	11.0
Nemipterus spp.	Itoyoridai	0.7	0.1	7.4	16.7
Gymnocranius spp.	Meichidai		9.6	9.0	28.0
Pomadasyidae	Isaki	2.5			0.1
Plectorhynchus pictus	Korodai				
Drepane spp.	Sudaredai		0.2		
Ephippus orbis	Manjuudai				
Siganus spp.	Aigo				
Triacanthus spp.	Gima		1.7		1.5
Balistidae	Mongarakawahagi		11.7	16.5	15.2
Tetraodontidae	Fugu	3.7	4.3	1.0	0.2
Dactyloptena spp.	Semihoubo	0.5	0.5		
Pleuronectida	Karei		0.3	0.7	
Lophiidae	Anko	6.1			
	Others	5.9	1.4	0.5	
	Total	218.7	98.4	334.4	217.0

7117	7118	7119	7120	7121	7122	7123	7124	7125	7126	7127
12.9	7.8	26.1	5.2	24.6	29.6	10.5	2.1	3.0		
0.7	145.6	2.7		5.3		4.4	2.1	1.0		
							0.2			
				8.9	0.1					0.2
	0.5			5.4			0.8			
4.0	3.3	4.2	3.5	1.0		0.7	0.9	1.8		0.1
10.3	1.7	2.1	0.7	14.4	34.0	11.0	8.1	9.8		10.6
0.5	2.3	0.6	1.3	0.1	0.3			0.1		
0.5	3.5				0.2				0.7	0.2
0.2	1.1	3.9	6.0	6.9	0.8	2.0	0.6	0.2	0.1	0.1
5.1	10.3	6.0	0.9	14.0	3.5		4.1	19.7	0.9	0.8
2.1				0.4	0.4		1.8	10.8		0.5
47.1	62.9	45.4	15.5	12.3	6.2	15.4	20.3	9.7	6.3	0.4
				0.1						
	1.7	3.6	3.3	1.5	2.2	0.5	5.5	0.4		
1.3		1.5		0.4	0.1			0.1	0.1	
	14.4			0.2				5.8		
9.2	4.1	7.6	4.2							
0.3	2.1	0.5	1.2	0.9	0.3		0.1			
0.5	2.5	1.6	1.6	0.2						
102.5	73.9	115.0	6.7	0.7	2.2	1.2	2.2	1.8	0.6	0.1
	10.8		0.9		2.5	10.0	17.3	7.6	10.2	6.0
10.8	1.7	9.8	5.8	3.8	2.6	0.5	0.1	0.5	0.3	0.1
0.3	0.1	0.1	0.1		0.1	0.1	0.2	0.1		
0.8	0.7	3.9								
	1.1			0.5						
65.3	102.3	30.4	62.5	74.0	70.7	2.5	88.7	56.3	15.1	46.0
20.6	78.3	20.2	13.2							
5.4	5.8	2.9	2.9	0.8	1.0	0.6	1.1	0.7		
33.8	28.7	30.0	30.0			0.1		1.9		
	1.7				0.3	3.2	0.5	0.6		0.9
	11.3	4.0	9.8	8.4	6.1	4.6	3.1	4.6		9.7
		1.0	1.4	0.4		0.1	0.3	0.3	0.1	
		0.2	0.2	1.7		0.6	0.2	0.4		0.3
	0.1	0.3	1.2	0.3	1.2	1.0				
0.2			1.6		0.3	0.1	0.5	0.4	0.2	0.8
6.4	21.0	25.0	24.1	1.2	16.2	10.9	18.3	14.8	4.9	3.8
3.4	3.2	4.7	1.1	1.6	0.4	0.7	0.3		0.4	
0.3	1.5	1.4	2.8							
	0.2		1.4	0.7	1.0	0.3	0.2	0.7	0.3	
	2.1	0.2	2.4	8.2	4.6	0.1	0.5			0.1
344.5	608.3	354.9	211.5	198.9	186.9	81.1	180.1	153.1	40.2	80.7

7128	7129	7130	7131	7132	7133
41.0	98.2	27.4	4.8		9.1
1.5	1.8		1.2	0.4	0.7
				0.3	0.2
0.2	0.3	0.2	1.0	4.9	4.3
21.0		6.9	3.9	23.6	6.0
					2.4
	0.1	0.1		0.1	0.3
			0.2		0.1
22.0	2.9	0.3	0.2	0.5	1.2
5.6	4.0	5.1	40.0	6.1	15.9
1.4		1.0	0.8	14.4	4.0
23.3	2.6	5.7	16.4	10.7	22.9
	0.2	0.6	0.5	1.0	4.1
			0.3	0.1	0.1
	0.1		4.0	6.2	23.8
	0.4		0.2	1.1	0.5
2.2	3.0	2.3		0.8	0.4
2.1	6.5	6.0	34.0	144.8	6.8
	0.2	0.5	4.0	2.1	3.1
			0.8	4.5	3.3
1.3	0.6		0.1	0.2	0.5
1.7		2.6		0.7	3.2
			0.3		
76.1	55.8	49.6	39.7	7.2	52.2
49.9	27.4	61.9	4.9	12.3	12.8
1.8	0.4	0.9	1.8	2.9	2.1
12.0	16.0	11.9	37.0	39.0	45.8
0.2	0.1		0.5		0.2
15.9	28.1	20.8	4.4	7.8	9.4
				0.5	0.3
0.3	0.1		0.1		0.2
1.6	0.8	0.4	0.6	1.8	2.8
21.6	34.3	33.6	7.0	17.4	19.0
1.8	6.4	5.1	0.1	1.0	1.1
	0.7	0.1	0.1	1.0	
0.6		0.4	1.6	1.0	
	2.5	1.4		1.5	1.3
305.1	293.5	244.8	210.5	315.9	260.1

6. Data on Tuna Longline Fishing

125 baskets (hachi) of tuna long-line were used. Each of 100 baskets was composed of 250 meters long main line which carried 4 branch lines and each of 25 baskets was composed of 300 meters long main line which carried 5 branch lines. The branch lines, each carrying one hook at the end, were attached to a main line at intervals of 50 meters. The depth at which hooks were hung were measured with chemical tubes, showing variations from 60 to 150 meters.

A frozen saury or squid was attached to a hook as bait.

Operation of long-line was supervised by the captain and deck officers, and all hands of crew and cadets were engaged in operations.

Biological measurement of fish caught was carrid out on board by deck officers immediately after the fishing.

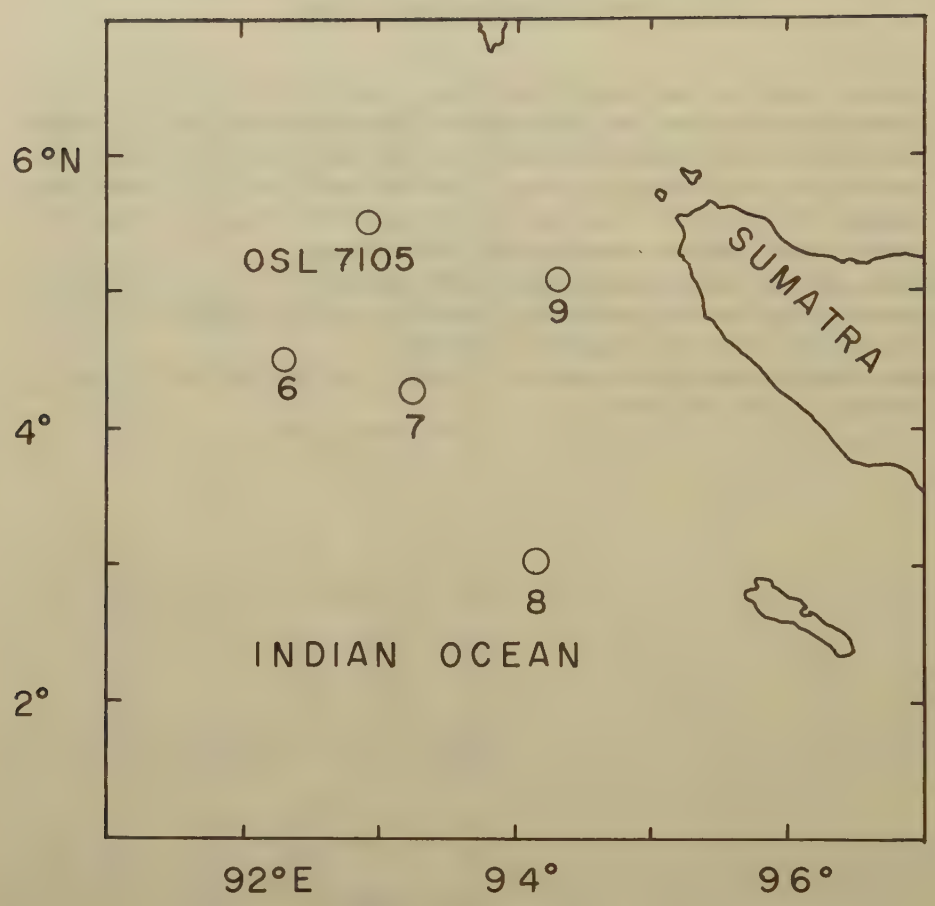


Fig. 4 Locations of tuna longline fishing.

Table 5. Data on tuna longline fishing

No. of fishing		OSL 7105	OSL 7106	OSL 7107	OSL 7108	OSL 7109
No. of station		OS 71102	OS 71104	OS 71106	OS 71108	OS 71110
Date		Dec. 13	14	15	16	17
Position of line set	Lat. (S)	05-33	04-29	04-14	02-58	05-05
	Long. (E)	92-59	92-19	93-17	94-10	94-28
S.M.T.	Line set	0505-0700	0505-0657	0535-0728	0535-0727	0540-0732
	Line haul	1320-1704	1320-1656	1324-1643	1319-1653	1235-1643
Direction of line set		230	180-200	210	210-180	210
Number of basket used		125	125	125	125	125
Yellowfin tuna		2	2	10	-	6
Bigeye tuna		1	1	1	5	1
Tuna snapped by shark		1	-	-	1	-
Skipjack tuna		1	-	-	4	-
Shortfin mako		1	-	-	-	-
Sharpnose shark		1	-	-	2	1
Yellow stingray		1	1	-	1	-
Wahoo		2	1	1	-	-
Dolphin		-	-	-	-	1
Barracuda		-	1	1	-	5
Rays		-	-	1	-	-

Table 6 Biological characteristics of fishes caught by tuna longline.

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
L05	YELLOWFIN TUNA	154.0	63.0	740	1.72	F	4		SQ.S(B)
		110.0	24.0	110	1.80	F	2		SQ.SF.SH
		112.0	25.0	130	1.78	F	2		SQ.SF.SH
	BIGEYE TUNA *	135.0							
L06	YELLOWFIN TUNA	117.0	29.0	446	1.81	F	3		SQ.SH.PL.SF
		120.0	20.0	37	1.16	M	2		EMPTY
	BIGEYE TUNA	99.0	21.0	83	2.16	M	4		SH.SF
L07	YELLOWFIN TUNA	121.0	34.0	283	1.92	F	3		SH.SQ.PL.S(B)
		118.0	32.0	310	1.95	F	2		EMPTY
		110.4	26.0	240	1.93	F	2		SQ.SH.SF
		127.5	41.0	240	1.98	M	4		SH.
		122.5	34.0	160	1.85	M	2		SH.SQ.SF
		119.6	35.0	195	2.05	M	3		SH.SQ.SF
		118.0	33.0	173	2.01	M	2		S(B)
		118.0	32.0	120	1.95	M	4		SQ.SH.SF
		111.5	27.5	75	1.98	M	2		SH.SQ.SF.S(B)
		102.0	19.0	95	1.79	M	2		SH.SQ.SF.S(B)
	BIGEYE TUNA	78.8	12.0	15	2.45	M	1		EMPTY
L08	YELLOWFIN TUNA *			40		F	1		SQ.SH.SF.S(B)
	BIGEYE TUNA	141.0	65.0	665	2.32	F	3		REVERSE
		126.0	46.0	450	2.30	F	3		SH
		106.0	25.0	320	2.10	F	2		REVERSE
		138.0	40.0	308	1.52	M	4		NOT EXAMINE
		82.5	13.0	35	2.32	M	2		SH.SQ.SF
L09	YELLOWFIN TUNA	95.0	17.0	220	1.98	F	3		SQ.SH.PL.SF
		93.0	18.0	135	2.24	F	2		SQ
		129.0	43.0	390	2.00	M	4		SQ.SH.SF.S(B)
		128.0	41.0	300	1.96	M	4		EMPTY
		127.0	40.0	330	1.95	M	3		SQ.SH.PL.S(B)
		112.0	30.0	160	2.14	M	3		SH.PL.SF.S(B)
	BIGEYE TUNA	125.0	41.0	98	2.10	M	4		REVERSE

* : Snapped by shark

2

THE "OSHORO MARU" CRUISE 47 TO THE SOUTH CHINA SEA AND THE INDIAN OCEAN IN OCTOBER - DECEMBER 1972

1. Cruise Itinerary

Departure from Hakodate	Oct.	23, 1972
Arrival at Tokyo		25
Departure from Tokyo		29
Anchorage at Wakayama-Simothu Hr. for landing of a patient		30
Sailing Setonaikai		31
Arrival at Shimonoseki	Nov.	1
Departure from Shimonoseki		6
Starting hydrographic cast of the first series (OS 72146) and trawl fishing (OST 7229)		14
Finishing hydrographic cast (OS 72157) and trawl fishing (OST 7248)		19
Arrival at Singapore		21
Departure from Singapore		26
Crossing the equator in long. 103° 53'E		26
Starting hydrographic cast (OS 71087)		27
Passing the Sunda St. to the Indian Ocean		28
Starting hydrographic cast of the second series (OS 72158) and tuna long-line fishing (OSL 7201)		29
Finishing tuna long-line fishing (OSL 7207)	Dec.	5
Finishing hydrographic cast (OS 72176)		6
Arrival at Jakarta		7
Departure from Jakarta		12
Crossing the equator in long. 108° 08'E		14
Return to Hakodate		27

Total coverage 10,376.8 miles, 15 days in ports and 51 days at sea

2. Vessel Personnel

Captain:		Associate Professor	Takeji Fujii
Crew:	Chief Officer	Associate Professor	Shoichi Yamamoto
	First Officer	Associate Professor	Kiyoshi Masuda
	Third Officer	Research Associate	Kunisaburo Yoneta
	Chief Engineer	Research Associate	Shoichi Tomisawa
	First Engineer		Kenzo Omi
	Second Engineer		Ichiro Kataoka
	Third Engineer		Tetsusaburo Inomata
	Chief Radio Operator		Mitsuo Kurotori
	Junior Radio Operator		Tetsuya Nakamura
	Purser		Akira Togashi
	and 26 men		
Research Staff:	Associate Professor (Laboratory of Marine Botany)		Hiroshi Yabu
Cadets:	15 cadets, Advanced Course in Pelagic Fishery		
	19 cadets, Department of Fishing Science		
Total:	72 persons		

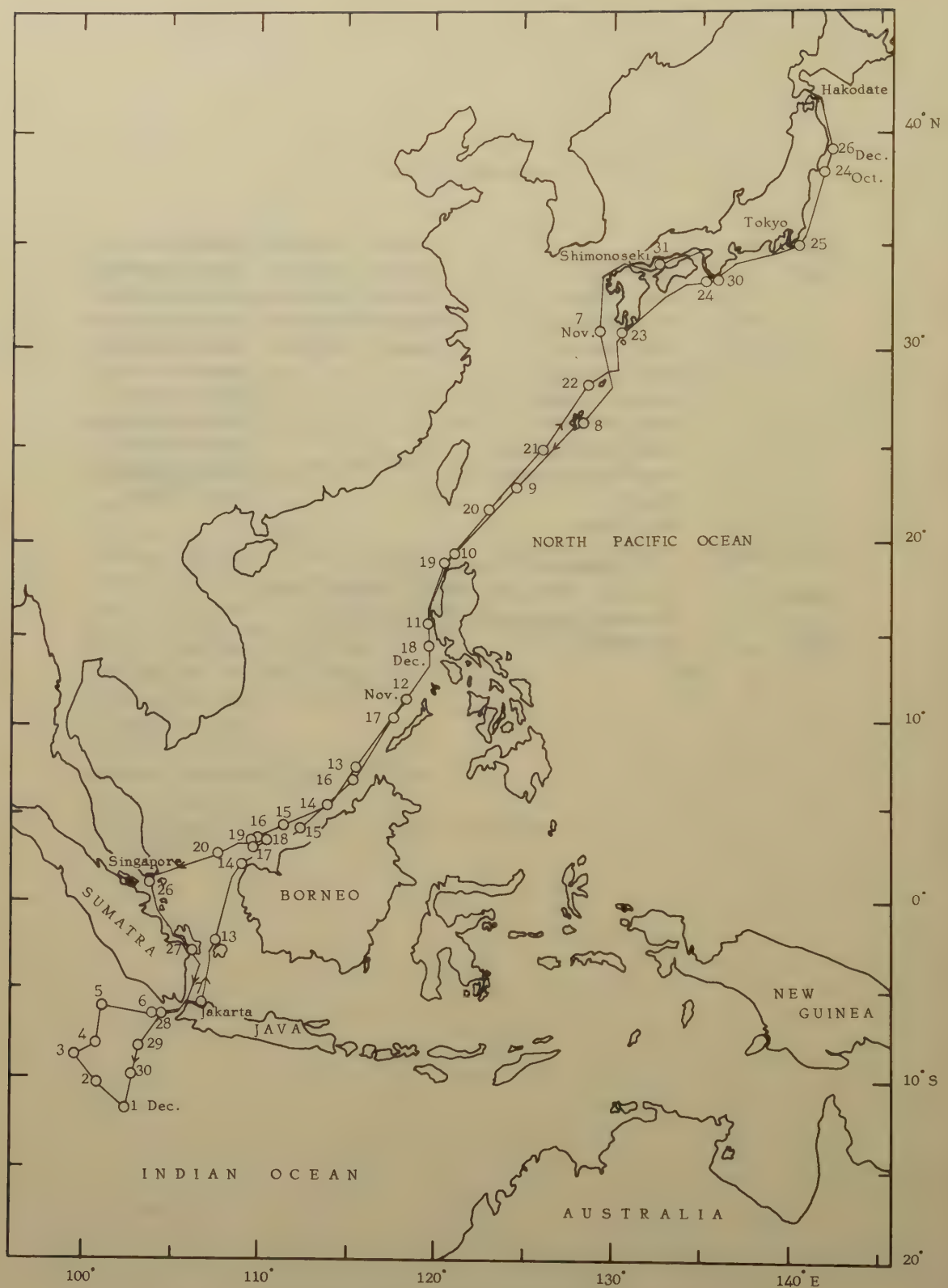


Fig. 1 Track and noon positions

3. Items of Observation

Meteorological observation:

Every three-hour interval, covering the whole course.

Hydrographic observation:

Temperature measurement and sampling of water for salinity determination, covering the depth from surface down to about 1,200 m at maximum, at 31 stations.

Trawl fishing:

20 operations off the northwest coast of Borneo and Weighing of catch and measurment of biological characters of each species caught.

Tuna longline fishing:

7 operations in the south coast of Sumatra and measurement of biological characters of each species caught.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Oshoro Maru"

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made dy means of the electronic computer FACOM 230-60.

Data of OS 72160, 72166, 72168, 72172 were obtained by mean of S.T.D. and omitted in this Data Record.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1. List of oceanographic stations.

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 72146	05-02N	113-59E	Nov.14	0610-0707	Nov.13	2210-2307	Radar
OS 72147	04-59N	114-00E	14	1040-1100	14	0240-0300	Radar
OS 72148	03-54N	111-31E	15	0803-0824	15	0003-0024	D.R.P.
OS 72149	04-07N	111-26E	15	1237-1257	15	0437-0457	A.O.P.
OS 72150	03-11N	109-33E	16	0545-0615	15	2145-2215	A.O.P.
OS 72151	03-12N	109-57E	16	1419-1440	16	0619-0640	D.R.P.
OS 72152	03-00N	109-30E	17	0620-0648	16	2220-2248	Radar
OS 72153	03-09N	110-00E	17	1714-1735	17	0914-0935	D.R.P.
OS 72154	02-48N	110-31E	18	0600-0616	17	2200-2216	D.R.P.
OS 72155	03-15N	110-22E	18	1135-1154	18	0335-0354	D.R.P.
OS 72156	03-36N	110-26E	18	1534-1554	18	0734-0754	A.O.P.
OS 72157	03-07N	109-36E	19	0603-0625	18	2203-2225	Radar
OS 72158	06-30S	104-30E	28	1122-1350	28	0422-0650	D.R.P.
OS 72159	07-18S	104-04E	28	1832-2039	28	1132-1339	D.R.P.
OS 72160	08-02S	103-40E	29	0102-0207	28	1802-1907	D.R.P.
OS 72161	08-22S	103-18E	29	0800-1044	29	0100-0344	A.O.P.
OS 72162	09-20S	103-12E	29	2137-2354	29	1437-1654	D.R.P.
OS 72163	09-57S	102-56E	30	0600-0910	29	2300-0210	A.O.P.
OS 72164	10-53S	102-48E	30	2130-2235	30	1430-1535	D.R.P.
OS 72165	11-45S	102-28E	Dec. 1	0600-0946	30	2300-0246	A.O.P.
OS 72166	11-04S	101-57E	1	2132-2220	Dec. 1	1432-1520	D.R.P.
OS 72167	10-20S	100-53E	2	0625-0837	1	2325-0137	A.O.P.
OS 72168	09-45S	100-25E	2	2135-2215	2	1435-1515	D.R.P.
OS 72169	08-50S	099-44E	3	0600-0900	2	2300-0200	A.O.P.
OS 72170	08-30S	100-25E	3	2123-2334	3	1423-1634	D.R.P.
OS 72171	08-13S	100-55E	4	0600-0912	3	2300-0212	A.O.P.
OS 72172	07-00S	101-12E	4	2220-2258	4	1520-1558	D.R.P.
OS 72173	06-08S	101-12E	5	0600-0835	4	2300-0135	A.O.P.
OS 72174	06-06S	102-00E	5	2114-2330	5	1414-1630	D.R.P.
OS 72175	06-17S	103-08E	6	0452-0622	5	2152-2322	D.R.P.
OS 72176	06-30S	104-01E	6	1136-1345	6	0436-0645	A.O.P.

D.R.P.: position by dead reckoning A.O.P.: position by astronomical observation

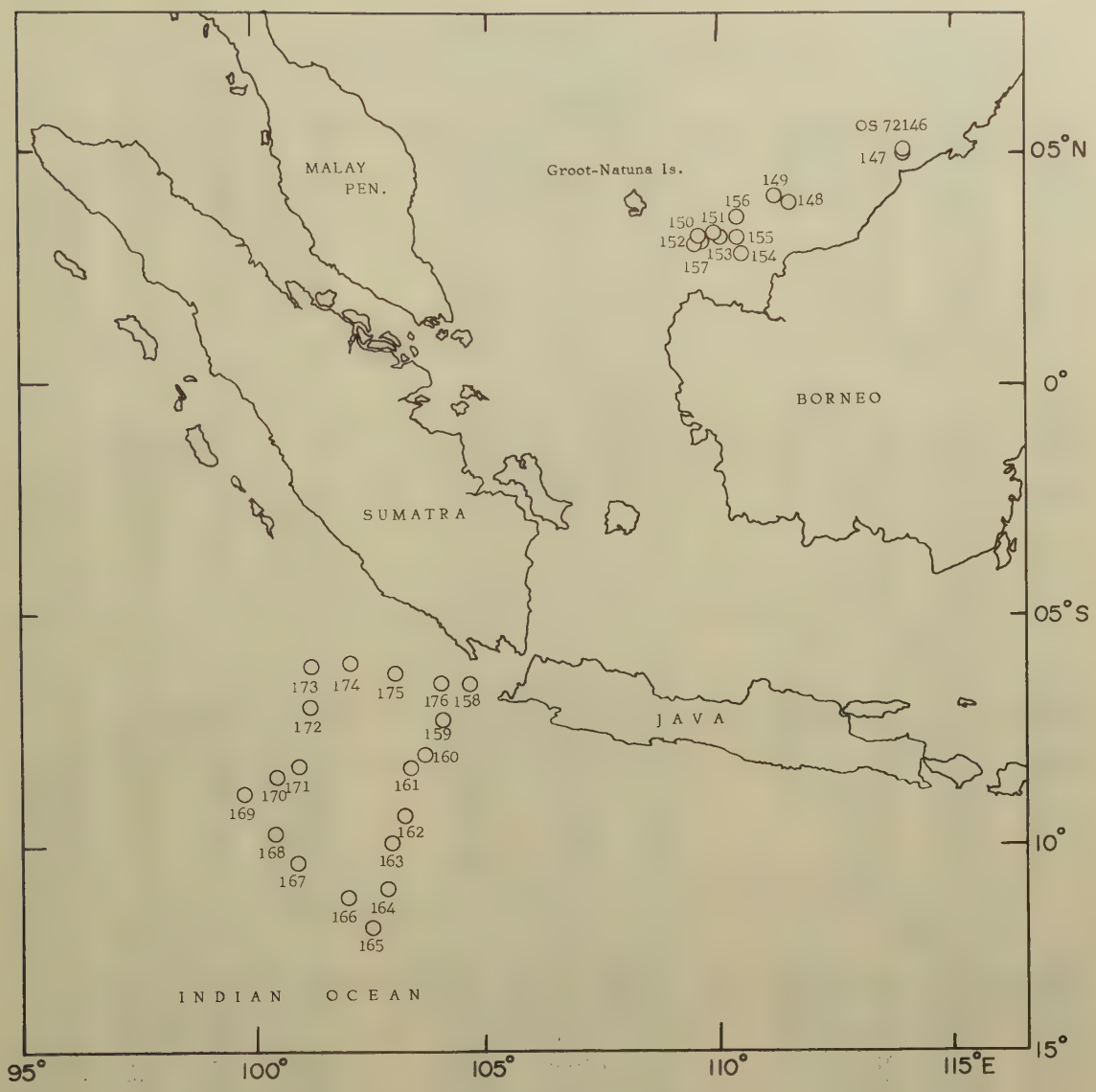


Fig. 2 Oceanographic stations.

Table 2. Oceanographic data.

STATION OS72146

LATITUDE 05-02 N LONGITUDE 113-59 E DATE 72-11-14 22.2 (GMT) DEPTH 98 COL. 05 TR. 26
SEA 16 1A SWELL 03 1A WIND 16 02F AIR TEMP. DRY 27.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.90	28.39		0	28.90	28.39		17.17	1047	1047	0.000
10	29.49	32.75		10	29.49	32.75		20.23	752	752	0.090
20	29.42	33.08		20	29.42	33.08		20.51	726	727	0.164
30	29.41	33.19		30	29.41	33.19		20.59	718	719	0.236
50	28.25	33.51		50	28.25	33.51		21.22	658	660	0.374
74	24.26	33.92		75	24.13	33.93		22.82	505	507	0.520
94	22.29	34.08									

STATION OS72147

LATITUDE 04-59 N LONGITUDE 114-00 E DATE 72-11-14 02.4 (GMT) DEPTH 88 COL. 07 TR. 15
SEA 19 1A SWELL 03 1A WIND 19 02F AIR TEMP. DRY 28.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	27.87		0	29.40	27.87		16.62	1101	1100	0.000
10	29.56	32.89		10	29.56	32.89		20.32	744	744	0.092
20	29.41	33.06		20	29.41	33.06		20.49	727	728	0.166
29	29.43	33.19		30	29.39	33.21		20.61	716	717	0.238
49	27.83	33.56		50	27.72	33.58		21.44	637	638	0.374
74	24.12	33.97									

STATION OS72148

LATITUDE 03-54 N LONGITUDE 111-31 E DATE 72-11-15 10.1 (GMT) DEPTH 60 COL. 03 TR. 34
SEA 33 1A SWELL 35 1A WIND 33 01F AIR TEMP. DRY 28.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	32.45		0	29.40	32.45		20.04	771	771	0.000
10	29.32	32.89		10	29.32	32.89		20.40	737	737	0.075
20	29.27	33.11		20	29.27	33.11		20.58	719	720	0.148
30	29.16	33.14		30	29.16	33.14		20.64	714	714	0.220
49	27.81	33.51		50	27.79	33.54		21.39	642	643	0.356
55	27.74	33.67									

STATION OS72149

LATITUDE 04-07 N LONGITUDE 111-26 E DATE 72-11-15 04.6 (GMT) DEPTH 70 COL. 02 TR. 28
SEA 03 1A SWELL 36 1A WIND 16 02F AIR TEMP. DRY 28.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	32.96		0	29.40	32.96		20.42	734	734	0.000
10	29.42	32.91		10	29.42	32.91		20.38	738	739	0.074
20	29.26	33.17		20	29.26	33.17		20.63	715	715	0.146
30	29.25	33.22		30	29.25	33.22		20.67	711	712	0.218
49	28.59	33.42		50	28.48	33.43		21.08	671	672	0.356
65	25.87	33.70									

STATION OS72150

LATITUDE 03-11 N LONGITUDE 109-33 E DATE 72-11-16 21.8 (GMT) DEPTH 60 COL. TR.
SEA 31 1A SWELL 33 1A WIND 31 02F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	33.21		0	29.40	33.21		20.61	716	716	0.000
10	29.59	33.19		10	29.59	33.19		20.53	724	724	0.072
20	29.62	33.23		20	29.62	33.23		20.55	722	722	0.144
30	29.30	33.34		30	29.30	33.34		20.74	704	705	0.216
49	28.04	33.53		50	27.94	33.54		21.34	646	648	0.351
55	27.42	33.58									

STATION OS72151

LATITUDE 03-12 N LONGITUDE 109-57 E DATE 72-11-16 06.3 (GMT) DEPTH 70 COL. 03 TR. 32
SEA 34 1A SWELL 34 1A WIND 34 01F AIR TEMP. DRY 25.9 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	33.16		0	29.40	33.16		20.57	720	719	0.000
10	29.59	33.22		10	29.59	33.22		20.55	722	722	0.072
20	29.60	33.23		20	29.60	33.23		20.56	721	722	0.144
30	29.60	33.26		30	29.60	33.26		20.58	719	720	0.216
49	27.66	33.55		50	27.57	33.56		21.48	633	635	0.352
65	26.36	33.72									

STATION OS72152

LATITUDE 03-00 N LONGITUDE 109-30 E DATE 72-11-17 22.3 (GMT) DEPTH 66 COL. 02 TR. 29
SEA 26 2A SWELL 34 2A WIND 26 02F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	33.11		0	29.40	33.11		20.53	723	723	0.000
10	29.51	33.10		10	29.51	33.10		20.49	728	728	0.073
20	29.52	33.11		20	29.52	33.11		20.49	727	728	0.145
30	29.43	33.28		30	29.43	33.28		20.65	712	713	0.218
49	28.09	33.50		50	27.99	33.51		21.30	650	651	0.354
60	26.89	33.66									

STATION OS72153

LATITUDE 03-09 N LONGITUDE 110-00 E DATE 72-11-17 09.2 (GMT) DEPTH 67 COL. 03 TR. 26
SEA 25 2A SWELL 23 1A WIND 25 02F AIR TEMP. DRY 27.7 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	33.21		0	29.40	33.21		20.61	716	716	0.000
10	29.51	33.20		10	29.51	33.20		20.56	720	721	0.072
20	29.53	33.22		20	29.53	33.22		20.57	720	720	0.144
30	29.30	33.36		30	29.30	33.36		20.76	702	703	0.215
49	27.63	33.58		50	27.59	33.59		21.49	632	633	0.349
65	27.51	33.69									

STATION OS72154

LATITUDE 02-48 N LONGITUDE 110-31 E DATE 72-11-18 22.0 (GMT) DEPTH 44 COL. TR.
SEA 34 1A SWELL 30 1A WIND 34 02F AIR TEMP. DRY 28.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.30	32.98		0	29.30	32.98		20.47	730	729	0.000
10	29.44	32.96		10	29.44	32.96		20.41	735	736	0.073
20	29.44	32.96		20	29.44	32.96		20.41	735	736	0.147
29	29.46	33.00		30	29.43	33.02		20.45	731	732	0.220
40	28.88	33.33									

STATION OS72155

LATITUDE 03-15 N LONGITUDE 110-22 E DATE 72-11-18 03.6 (GMT) DEPTH 62 COL. 02 TR. 28
SEA 17 1A SWELL 10 1A WIND 17 02F AIR TEMP. DRY 28.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.90	33.16		0	29.90	33.16		20.40	736	736	0.000
10	29.50	33.14		10	29.50	33.14		20.52	724	725	0.073
20	29.49	33.14		20	29.49	33.14		20.53	724	725	0.146
30	29.46	33.14		30	29.46	33.14		20.54	723	724	0.218
49	27.47	33.55		50	27.38	33.56		21.54	627	629	0.353
60	26.56	33.66									

STATION OS72156

LATITUDE 03-36 N LONGITUDE 110-26 E DATE 72-11-18 07.6 (GMT) DEPTH 70 COL. 01 TR. 33
SEA 34 1A SWELL 23 1A WIND 23 02F AIR TEMP. DRY 27.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	30.50	33.26		0	30.50	33.26		20.27	749	748	0.000
10	29.59	33.24		10	29.59	33.24		20.57	720	720	0.073
20	29.57	33.22		20	29.57	33.22		20.56	721	721	0.146
30	29.56	33.23		30	29.56	33.23		20.57	720	721	0.218
49	26.83	33.65		50	26.75	33.66		21.81	601	602	0.350
65	26.24	33.72									

STATION OS72157

LATITUDE 03-07 N LONGITUDE 109-36 E DATE 72-11-19 22.1 (GMT) DEPTH 68 COL. 02 TR.
SEA 34 1A SWELL 36 1A WIND 34 02F AIR TEMP. DRY 27.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.40	33.10		0	28.40	33.10		20.86	692	692	0.000
10	29.90	33.09		10	29.90	33.09		20.35	741	741	0.072
20	29.46	33.12		20	29.46	33.12		20.52	725	725	0.145
30	29.00	33.39		30	29.00	33.39		20.88	690	691	0.216
49	28.48	33.47		50	28.40	33.48		21.14	665	667	0.352
64	26.83	33.65									

STATION OS72158

LATITUDE 06-30 S LONGITUDE 104-30 E DATE 72-11-28 04.4 (GMT) DEPTH 1465 COL. 04 TR. 10
SEA 15 3A SWELL 18 1A WIND 15 03F AIR TEMP. DRY 28.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.40	34.12		0	28.40	34.12		21.62	619	619	0.000
9	27.96	34.22		10	27.95	34.23		21.85	597	597	0.061
18	27.90	34.26		20	27.91	34.27		21.90	593	593	0.120
28	27.77	34.32		30	27.49	34.33		22.08	575	576	0.179
46	25.24	34.47		50	24.76	34.55		23.10	478	479	0.285
69	23.19	34.92		75	23.22	34.94		23.84	407	409	0.396
92	23.29	34.94		100	22.66	35.00		24.06	387	390	0.496
115	21.47	35.12		125	20.68	35.13		24.70	325	329	0.586
138	19.65	35.12		150	18.66	35.10		25.20	277	282	0.662
184	15.92	35.00		200	14.81	34.95		25.99	202	208	0.785
243	11.83	34.85		250	11.75	34.85		26.54	150	156	0.876
291	11.26	34.87		300	11.16	34.87		26.66	138	145	0.952
389	10.33	34.87		400	10.27	34.87		26.82	123	132	1.091
486	9.69	34.86		500	9.51	34.84		26.93	113	123	1.218
583	8.37	34.77		600	8.18	34.77		27.09	98	109	1.335
680	7.48	34.88									

STATION OS72159

LATITUDE 07-18 S LONGITUDE 104-04 E DATE 72-11-28 11.5 (GMT) DEPTH 344 COL. TR.
SEA 17 1A SWELL 18 1A WIND 14 03F AIR TEMP. DRY 27.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.30	34.27		0	28.30	34.27		21.77	605	605	0.000
10	28.26	34.23		10	28.26	34.23		21.75	607	607	0.061
19	27.93	34.35		20	27.92	34.36		21.96	587	587	0.120
29	27.87	34.42		30	27.88	34.42		22.02	581	581	0.179
49	27.47	34.49		50	27.40	34.49		22.23	561	563	0.293
73	24.40	34.54		75	23.91	34.55		23.35	454	457	0.421
97	18.55	34.64		100	18.12	34.66		25.00	296	299	0.516
121	16.19	34.80		125	15.98	34.81		25.63	237	240	0.583
146	15.14	34.84		150	14.89	34.83		25.89	212	216	0.640
194	12.38	34.76		200	12.24	34.77		26.38	165	170	0.737
236	11.72	34.81		250	11.48	34.81		26.56	148	154	0.818
285	10.93	34.80		300	10.76	34.80		26.69	136	143	0.893
383	10.07	34.83		400	9.95	34.83		26.85	121	129	1.029
482	9.51	34.84									

STATION OS72161

LATITUDE 08-22 S LONGITUDE 103-18 E DATE 72-11-29 01.0 (GMT) DEPTH 5450 COL. 02 TR. 25
SEA 14 3A SWELL 16 1A WIND 14 03F AIR TEMP. DRY 27.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.60	34.56		0	27.60	34.56		22.22	562	562	0.000
9	27.74	34.55		10	27.74	34.55		22.16	567	567	0.057
18	27.65	34.56		20	27.67	34.56		22.19	564	565	0.113
27	27.56	34.55		30	27.12	34.52		22.34	551	551	0.169
45	24.91	34.39		50	24.62	34.46		23.07	481	482	0.272
68	23.56	34.73		75	22.55	34.71		23.86	405	408	0.384
91	20.24	34.59		100	19.12	34.57		24.68	327	330	0.476
113	17.67	34.58		125	16.47	34.61		25.36	263	266	0.551
136	15.51	34.64		150	14.70	34.65		25.79	222	226	0.612
181	12.91	34.65		200	12.10	34.64		26.31	172	176	0.713
245	10.82	34.65		250	10.76	34.66		26.57	147	152	0.795
300	10.43	34.76		300	10.43	34.76		26.71	134	140	0.869
335	10.16	34.82		400	9.44	34.82		26.93	113	121	1.000
428	9.04	34.78									

STATION OS72162

LATITUDE 09-20 S LONGITUDE 103-12 E DATE 72-11-29 14.6 (GMT) DEPTH 5563 COL. TR.
SEA 14 3A SWELL 16 1A WIND 14 03F AIR TEMP. DRY 27.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.40	34.59		0	27.40	34.59		22.30	554	554	0.000
9	27.48	34.60		10	27.48	34.60		22.28	556	556	0.056
18	27.48	34.58		20	27.51	34.58		22.26	558	559	0.111
27	27.43	34.57		30	26.98	34.56		22.41	544	544	0.167
45	24.73	34.51		50	24.27	34.54		23.23	465	467	0.268
67	23.19	34.69		75	22.84	34.78		23.83	408	410	0.377
89	22.22	34.87		100	20.13	34.77		24.57	337	341	0.471
114	17.47	34.61		125	16.35	34.60		25.38	261	264	0.547
134	15.43	34.61		150	14.71	34.61		25.75	225	229	0.609
200	12.44	34.63		200	12.44	34.63		26.24	179	184	0.712
241	11.00	34.70		250	10.86	34.71		26.60	145	150	0.796
300	10.46	34.78		300	10.46	34.78		26.72	133	139	0.869
328	10.24	34.81		400	9.77	34.86		26.90	116	124	1.001
421	9.66	34.87									

STATION OS72163

LATITUDE 09-57 S LONGITUDE 102-56 E DATE 72-11-30 23.0 (GMT) DEPTH 5470 COL. 01 TR. 24
SEA 18 3A SWELL 16 3A WIND 18 04F AIR TEMP. DRY 26.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.40	34.76		0	27.40	34.76		22.43	542	541	0.000
9	27.48	34.76		10	27.48	34.76		22.40	544	544	0.054
18	27.48	34.76		20	27.51	34.76		22.40	545	545	0.109
26	27.49	34.76		30	27.08	34.74		22.52	533	534	0.163
44	25.64	34.68		50	25.03	34.72		23.14	474	475	0.264
66	23.40	34.87		75	23.15	34.94		23.86	405	407	0.374
88	22.80	35.02		100	21.76	35.07		24.36	358	361	0.471
109	20.69	35.07		125	18.15	34.92		25.20	278	282	0.551
131	17.20	34.86		150	15.99	34.81		25.62	237	242	0.617
186	13.69	34.84		200	13.16	34.85		26.26	177	182	0.723
228	12.33	34.87		250	11.73	34.89		26.58	147	153	0.806
300	10.70	34.94		300	10.70	34.94		26.80	125	132	0.878
314	10.51	34.95		400	9.91	35.02		27.00	107	115	1.002
403	9.91	35.02									

STATION OS72165

LATITUDE 11-45 S LONGITUDE 102-28 E DATE 72-12-01 23.0 (GMT) DEPTH 4850 COL. 02 TR. 27
SEA 14 3A SWELL 14 2A WIND 14 03F AIR TEMP. DRY 26.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	34.69		0	26.80	34.69		22.57	528	528	0.000
9	26.97	34.68		10	26.97	34.68		22.51	534	534	0.053
19	26.96	34.69		20	26.96	34.69		22.52	533	534	0.107
28	26.96	34.69		30	26.98	34.69		22.51	534	535	0.160
47	26.94	34.68		50	26.80	34.67		22.55	530	532	0.267
70	25.66	34.60		75	25.47	34.59		22.91	496	498	0.396
90	24.88	34.60		100	24.27	34.63		23.30	458	462	0.516
112	23.52	34.70		125	22.95	34.86		23.86	405	410	0.625
135	22.52	34.97		150	20.83	34.93		24.50	344	349	0.720
186	16.77	34.82		200	15.75	34.82		25.69	231	237	0.867
225	14.32	34.84		250	13.44	34.84		26.20	182	189	0.973
299	11.71	34.85		300	11.68	34.85		26.55	149	156	1.060
386	9.88	34.90									

STATION OS72167

LATITUDE 10-20 S LONGITUDE 100-53 E DATE 72-12-02 23.4 (GMT) DEPTH 5380 COL. 02 TR. 23
SEA 12 3A SWELL 15 2A WIND 12 03F AIR TEMP. DRY 27.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.40	34.80		0	27.40	34.80		22.46	539	538	0.000
9	27.50	34.80		10	27.50	34.80		22.43	542	542	0.054
19	27.48	34.80		20	27.48	34.80		22.43	541	542	0.108
28	27.48	34.80		30	27.48	34.80		22.43	541	542	0.163
47	27.48	34.79		50	26.84	34.78		22.62	523	525	0.269
70	22.54	34.71		75	21.68	34.72		24.11	381	383	0.383
94	18.89	34.77		100	18.10	34.77		25.09	288	291	0.467
117	16.31	34.77		125	15.93	34.78		25.61	238	242	0.534
140	15.21	34.80		150	14.63	34.83		25.94	207	211	0.591
187	12.49	34.92		200	11.93	34.93		26.57	148	152	0.682
250	10.71	34.92		250	10.71	34.92		26.78	127	132	0.753
256	10.68	34.92		300	10.42	34.95		26.86	120	127	0.818
349	10.05	35.03									

STATION OS72169

LATITUDE 08-50 S LONGITUDE 99-44 E DATE 72-12-03 23.0 (GMT) DEPTH 5700 COL. 02 TR. 30
SEA 11 4A SWELL 10 3A WIND 09 04F AIR TEMP. DRY 26.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.50	34.65		0	27.50	34.65		22.32	553	552	0.000
9	27.73	34.64		10	27.71	34.64		22.24	560	560	0.056
17	27.57	34.64		20	27.60	34.64		22.28	556	557	0.112
25	27.58	34.64		30	26.97	34.58		22.43	541	542	0.167
42	25.49	34.44		50	24.89	34.48		23.00	487	489	0.270
64	23.85	34.60		75	22.78	34.65		23.75	415	418	0.383
85	21.70	34.68		100	20.01	34.73		24.57	337	341	0.478
106	19.30	34.74		125	16.87	34.75		25.37	261	265	0.554
147	14.06	34.72		150	13.80	34.71		26.03	199	203	0.613
181	11.81	34.66		200	11.54	34.69		26.46	158	162	0.704
250	10.83	34.80		250	10.83	34.80		26.67	138	143	0.781
254	10.79	34.80		300	10.37	34.82		26.76	129	135	0.851
335	10.09	34.85									

STATION OS72170

LATITUDE 08-30 S LONGITUDE 100-25 E DATE 72-12-03 14.4 (GMT) DEPTH 5630 COL. TR.
SEA 09 3A SWELL 10 3A WIND 09 03F AIR TEMP. DRY 25.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.70	34.67		0	27.70	34.67		22.27	557	557	0.000
10	27.85	34.66		10	27.85	34.66		22.21	563	563	0.056
20	27.84	34.67		20	27.84	34.67		22.22	562	562	0.112
29	27.83	34.68		30	27.75	34.68		22.26	558	559	0.169
49	25.53	34.66		50	25.42	34.67		22.98	489	490	0.274
73	23.08	34.86		75	22.92	34.85		23.87	405	407	0.386
97	20.75	34.75		100	20.20	34.75		24.54	340	344	0.480
122	16.15	34.79		125	15.93	34.79		25.62	237	241	0.553
146	14.41	34.81		150	14.13	34.82		26.04	198	202	0.608
195	11.70	34.91		200	11.59	34.92		26.62	142	147	0.696
232	11.15	34.98		250	10.92	35.01		26.82	124	129	0.765
281	10.57	35.05		300	10.39	35.06		26.95	111	118	0.827
381	9.69	35.04		400	9.53	35.04		27.08	99	107	0.940
4830	9.01	35.01									

STATION OS72171

LATITUDE 08-13 S LONGITUDE 100-55 E DATE 72-12-04 23.0 (GMT) DEPTH 5570 COL. 02 TR. 20
SEA 14 3A SWELL 29 3A WIND 14 03F AIR TEMP. DRY 26.0 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.60	34.62		0	27.60	34.62		22.26	558	558	0.000
9	27.66	34.60		10	27.66	34.60		22.22	561	561	0.056
18	27.68	34.60		20	27.69	34.60		22.21	562	563	0.112
28	27.65	34.60		30	27.57	34.61		22.26	558	559	0.168
46	26.50	34.66		50	26.09	34.66		22.77	509	511	0.276
69	24.15	34.65		75	22.68	34.66		23.79	412	415	0.391
92	18.53	34.72		100	17.56	34.78		25.23	275	278	0.478
115	15.75	34.88		125	14.65	34.88		25.97	204	207	0.539
138	13.46	34.86		150	13.23	34.92		26.30	173	177	0.587
188	12.51	35.12		200	12.28	35.12		26.65	140	145	0.667
229	11.77	35.09		250	11.55	35.10		26.77	128	134	0.737
299	11.17	35.13		300	11.16	35.13		26.87	119	126	0.803
399	10.07	35.07									

STATION OS72173

LATITUDE 06-08 S LONGITUDE 101-12 E DATE 72-12-05 23.0 (GMT) DEPTH 5970 COL. 02 TR. 26
SEA 09 2A SWELL 15 1A WIND 09 03F AIR TEMP. DRY 27.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.00	34.19		0	27.00	34.19		22.13	570	570	0.000
9	27.88	34.19		10	27.90	34.19		21.84	598	598	0.058
17	27.86	34.22		20	27.84	34.25		21.90	592	593	0.118
26	27.79	34.31		30	27.77	34.33		21.99	584	585	0.177
43	27.72	34.39		50	26.96	34.42		22.31	553	555	0.291
64	25.45	34.51		75	25.07	34.70		23.11	476	479	0.420
96	24.34	35.06		100	23.76	35.06		23.78	413	416	0.532
125	20.12	34.97		125	20.12	34.97		24.73	323	327	0.625
150	16.60	34.95		150	16.60	34.95		25.59	240	245	0.697
153	16.30	34.95		200	12.74	34.97		26.44	160	165	0.800
208	12.38	34.97		250	11.87	34.99		26.62	142	148	0.878
252	11.87	34.99		300	11.37	34.97		26.70	134	141	0.951
343	10.93	34.94		400	10.30	34.90		26.84	121	130	1.087
438	9.87	34.88									

STATION OS72174

LATITUDE 06-06 S LONGITUDE 102-00 E DATE 72-12-05 14.2 (GMT) DEPTH 3840 COL. TR.
SEA 12 1A SWELL 09 1A WIND 12 03F AIR TEMP. DRY 28.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.00	34.20		0	28.00	34.20		21.82	601	600	0.000
8	28.09	34.19		10	28.10	34.19		21.77	605	605	0.060
16	28.07	34.20		20	27.96	34.25		21.87	596	596	0.120
24	27.84	34.31		30	27.82	34.36		21.99	584	585	0.179
40	27.79	34.40		50	27.31	34.43		22.21	563	564	0.295
60	26.58	34.47		75	24.89	34.71		23.18	470	473	0.424
100	22.08	35.12		100	22.08	35.12		24.31	363	366	0.529
120	19.53	35.12		125	18.90	35.09		25.14	283	287	0.611
150	16.12	34.95		150	16.12	34.95		25.70	230	234	0.676
196	13.19	34.94		200	13.08	34.94		26.35	168	173	0.778
250	12.37	34.96		250	12.37	34.96		26.51	153	160	0.862
281	11.95	34.97		300	11.69	34.97		26.64	140	147	0.939
374	10.61	34.91									

STATION OS72175

LATITUDE 06-15 S LONGITUDE 103-00 E DATE 72-12-06 21.9 (GMT) DEPTH 1300 COL. TR. 27
SEA 15 1A SWELL 15 1A WIND 15 02F AIR TEMP. DRY 27.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	34.34		0	28.10	34.34		21.89	594	593	0.000
10	28.18	34.53		10	28.18	34.53		22.00	582	583	0.059
20	28.17	34.52		20	28.17	34.52		22.00	583	583	0.117
30	28.17	34.55		30	28.17	34.55		22.02	581	582	0.176
50	27.68	34.67		50	27.68	34.67		22.27	557	559	0.290
74	21.74	34.96		75	21.64	34.97		24.32	361	364	0.405
99	20.06	35.24		100	19.96	35.25		24.98	299	302	0.488
124	17.71	35.31		125	17.66	35.31		25.61	238	242	0.556
149	16.69	35.28		150	16.61	35.28		25.84	217	222	0.615
199	12.86	35.05		200	12.83	35.05		26.48	155	160	0.710
249	12.01	35.12		250	11.99	35.12		26.70	135	141	0.786
298	11.26	35.14		300	11.24	35.14		26.86	120	127	0.853
398	10.28	35.12		400	10.26	35.12		27.02	105	113	0.973
497	9.44	35.13		500	9.42	35.13		27.17	90	101	1.081
596	8.65	35.04		600	8.62	35.04		27.23	85	96	1.180
700	7.88	35.02		700	7.88	35.02		27.33	75	88	1.272
796	7.15	34.99		800	7.11	34.99		27.41	67	80	1.356
995	5.42	34.95		1000	5.39	34.95		27.61	49	61	1.498
1194	5.03	34.98									

STATION OS72176

LATITUDE 06-30 S LONGITUDE 104-01 E DATE 72-12-06 04.6 (GMT) DEPTH 2605 COL. 02 TR. 26
SEA 15 2A SWELL 17 1A WIND 15 02F AIR TEMP. DRY 28.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.60	33.08		0	28.60	33.08		20.78	700	700	0.000
10	28.41	33.06		10	28.41	33.06		20.83	695	695	0.070
20	28.09	34.13		20	28.09	34.13		21.73	608	609	0.135
30	26.98	34.72		30	26.98	34.72		22.53	532	533	0.192
50	24.83	35.13		50	24.83	35.13		23.51	438	440	0.290
75	22.98	35.30		75	22.98	35.30		24.19	374	377	0.392
100	20.62	35.14		100	20.62	35.14		24.72	323	326	0.480
125	19.12	35.17		125	19.12	35.17		25.14	283	287	0.557
150	17.21	35.25		150	17.21	35.25		25.67	232	237	0.622
200	13.16	35.07		200	13.16	35.07		26.43	160	165	0.723
245	11.47	35.08		250	11.38	35.08		26.79	127	132	0.798
300	10.98	35.08		300	10.98	35.08		26.86	120	126	0.863
331	10.85	35.08		400	10.52	35.08		26.94	112	121	0.987
418	10.41	35.08		500	9.48	35.05		27.10	97	107	1.101
600	8.35	35.01		600	8.35	35.01		27.25	83	94	1.202
693	7.45	34.98		700	7.39	34.98		27.36	72	83	1.291
800	6.64	34.90		800	6.64	34.90		27.41	68	79	1.373
999	5.52	34.75		1000	5.52	34.75		27.44	65	77	1.531
1079	5.44	34.69									

5. Data on Trawl Fishing

Stern trawling was carried out 20 stations on the South China Sea during Nov. 11 - Nov. 19, 1972.

Operation was supervissed by the captain and officers, and all hands of crew and cadets were engaged in the operation.

Catch was procesed by deck officers, crew and cadets, and data of catch were recorded by the chief officer.

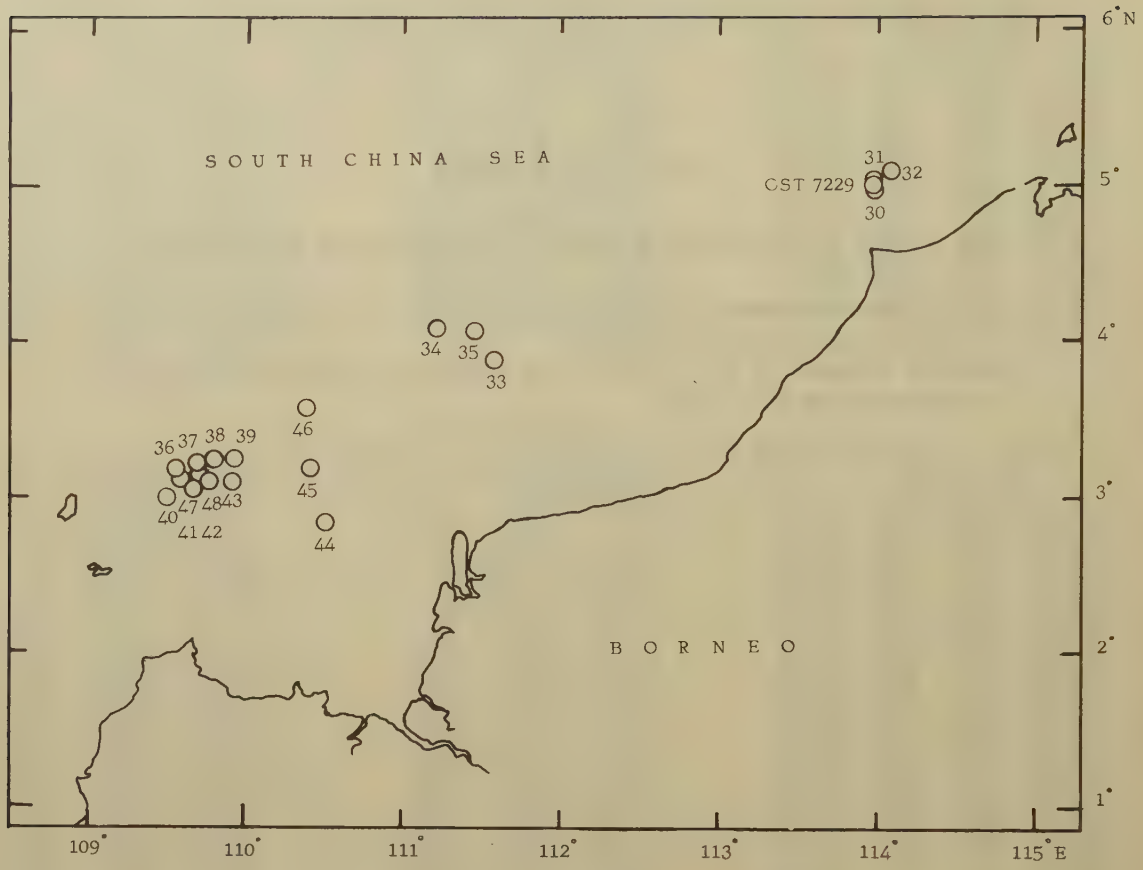


Fig. 3 Locations of trawl fishing.

Table 3. Data on trawl fishing.

No. of fishing	Date and time of net cast	Position		Direction of tow	Duration of tow	Speed of tow (Kt)	Depth of sea bottom (m)	Quality of bottom	Temperature (°C)		W^r	Wind	
		Lat.(N)	Long.(E)						Surface	Near bottom			
OST 7229	Nov.14 0708	05-02	113-59	240	2^h 00^m	4.0	98	gy M	28.9	22.4	bc	SE	2
OST 7230	14 1106	04-59	114-00	270	0 06		78	gn M	29.4	24.3	bc	SW	2
OST 7231	14 1151	05-01	114-00	50	1 55	4.4	84	gn M	29.3		bc	SW	2
OST 7232	14 1522	05-07	114-07	230	1 33	3.0	96		29.3		bc	West	1
OST 7233	15 0830	03-54	111-31	240	2 00	3.5	60	gy M.S	28.6	27.8	c	NW	2
OST 7234	15 1303	04-07	111-26	35	1 59	3.5	69-75	gy M.S	29.4	25.9	r	South	4
OST 7235	15 1616	04-08	111-32	205-195	2 00	3.5	70		29.2	25.0	o	SE	3
OST 7236	16 0630	03-11	109-33	70	2 00	3.3	60	gy M	29.4	27.5	c	NW	2
OST 7237	16 0908	03-13	109-41	75	1 57	3.2	72		28.7		c	North	2
OST 7238	16 1145	03-13	109-50	80	2 00	2.7	72		28.6		r	WSW	2
OST 7239	16 1447	03-12	109-57	70	2 00	3.2	70	gy M	29.4	26.5	c	NNW	1
OST 7240	17 0653	03-00	109-30	70	2 00	3.0	66	gy M	29.4	27.0	c	WSW	2
OST 7241	17 0927	03-02	109-38	70	2 00	3.3	66		28.7		c	SE	1
OST 7242	17 1200	03-04	109-46	70	2 00	3.5	66		28.7		r	SSE	3
OST 7243	17 1439	03-06	109-54	70	2 00	3.1	68	gy M.S	28.6		c	West	1
OST 7244	18 0635	02-48	110-31	40	2 00	3.0	46	gy M.S	29.3	28.9	c	NNW	2
OST 7245	18 1157	03-15	110-22	20	1 57	3.5	62	gy M.S	29.9	26.6	bc	SSE	2
OST 7246	18 1558	03-36	110-26	40	2 00	3.0	70	gy M.S	30.5	26.3	r	WSW	2
OST 7247	19 0630	03-07	109-36	70	2 00	3.1	70	gy M	28.4	26.9	bc	WNW	2
OST 7248	19 0907	03-09	109-42	70	2 00	2.8	69		28.6		bc	NNW	1

W^r : Weather

Table 4. Data on catches by trawl fishing in kg per haul.

Species	Gyoshu	7229	7230	7232	7233
Lamniformes	Same	3.2			31.0
Rajiformes	Gangiei	2.2		1.0	1.3
Synodontidae	Eso	18.0	0.3	2.5	
Tachysurus sp.	Hamagigi			2.4	1.5
Aulostomicae	Yagara		0.1		0.3
Holocentridae	Ittodai				
Scomberomorus spp.	Sawara				
Caragidae	Aji				
Caranx spp.	Kaiwari	4.2		0.5	
Zonichthys nigrofasciata	Aiburi	5.7			2.0
Formio niger	Kuroajimodoki				
Rachycentron canadum	Sugi			6.1	
Psenes sp.	Sujihanabirâuo	5.4		3.0	
Upeneus spp.	Himeji	0.5			
Pseudupeneus spp.	Umihigoi				8.0
Priacanthus macracanthus	Kintokidai	45.0	4.4	3.9	4.7
Priacanthus tayenus	Itohikikintoki		3.6		
Epinephelinae	Hata			1.4	
Argyrosomus spp.	Ishimochi	0.5	0.1	0.6	
Pinjalo pinjalo	Pinjaro				
Argyrops spinifer	Taiwandai		0.1		4.6
Lutjanus spp.	Fuedai		8.1	6.7	14.9
Lutjanus sebae	Sennendai				28.2
Pristipomoides spp.	Himedai	0.2			10.1
Nemipterus spp.	Itoyoridai	5.1			
Gymnocranius spp.	Meichidai			2.0	17.0
Plectorhynchus pictus	Korodai				39.0
Drepane spp.	Sudaredai				
Triacanthicae	Gima	0.8		0.7	6.2
Abalistes stellatus	Okihagi	1.0			18.0
Tetraodontidae	Fugu				6.6
Chelidonichtys spp.	Houbo	0.5	0.3		0.2
Lepidotrigla spp.	Kanagashira	2.5		0.5	
Pleuronectida	Karei		0.3		1.3
Halieutaea stellata	Akagutsu	0.8	0.1	1.0	
Loliginidae	Yariika	0.2			
Sepiidae	Kooika	6.0	2.6	6.2	0.2
Scyllaridae	Uchiwaebi				2.1
	Others	0.6			13.5
	Total	102.4	20.0	38.5	210.7

7234	7235	7236	7237	7238	7239	7240	7241	7242	7243	7244
6.6	7.3	6.8			30.5	15.8			34.0	1.4
2.8		1.0		1.5		1.2				
16.0	9.3	11.0	5.5	5.9	3.6	4.0	6.5	15.5	14.0	
21.0	15.0	5.0	15.0	5.3	3.9	8.7	5.2	5.3		1.8
0.8		1.0	0.8	0.7	1.6	2.0				
0.3		0.6	1.2	2.4					5.1	
								3.1	4.3	
			2.4		1.1		3.6			
11.0	0.5			0.2	0.3		8.0	5.3	2.1	
8.5	109.7	8.1	10.5	5.7	3.9	9.2	10.0	8.5		2.3
9.1	12.0	2.6	8.0	1.9	0.3	4.7	6.3	8.0	6.6	2.1
				1.7		0.2				
	8.5				9.2					
		2.8		3.4		0.8				
2.0	3.3	1.3	2.3	2.0	0.9	0.6		2.1	1.8	
2.1	4.0	1.1	2.9	1.5		3.2	2.8	10.0	5.0	1.0
75.0	69.0	5.1	4.0	4.3	5.5	5.7	95.0	69.0	8.1	1.1
31.0	51.0	9.4	2.0	0.4			71.0	40.0	9.8	
		0.9	48.0			4.8	1.1		3.6	
14.0	10.5	8.0	13.0	7.5	11.0	10.0	9.0	19.0	6.0	
		10.0	44.0				78.0		116.0	
		3.2	7.2	0.8	1.8	5.9	3.8	4.2	3.3	
2.7	36.6	43.1	163.0	12.5	68.0	33.0	22.1	57.4	39.7	5.1
	1.8	8.5	3.0			4.3	5.7	6.1	14.6	0.9
0.7	35.3	21.5	2.4	20.1	5.0	3.6	31.1	5.8	34.6	4.7
10.7	2.0	0.9	0.5	1.2		0.8	3.1		1.8	
15.4	19.2	31.0	60.0	27.0	33.0	28.0	21.6	22.0	47.0	9.2
	1.3	8.5	18.0		8.5	2.1	8.3	7.0		28.0
				1.9	0.9	0.7				
1.8	3.8	3.1	1.7	2.6	2.2	5.7	5.6	5.1		2.0
15.0	24.0	12.0	19.0	25.0	19.0	9.0	15.0	20.5	22.0	3.2
	0.6	0.5	2.5	3.3	1.9	1.1				0.6
1.3	4.3	0.7	2.5	0.8	1.5	3.7	2.8	6.8		
		0.2								
1.1	1.2	0.7	1.7	1.7	0.3		5.5		1.9	2.5
				1.0						
	0.3	0.6		0.2		0.2		0.9		
3.1	3.6	0.5		1.0	1.9	0.8	2.7	1.7		
1.4	2.1			0.2	0.9					
2.0	1.5		1.0			1.0	15.4	14.8	12.3	
255.4	437.7	209.7	442.1	143.7	216.7	170.8	439.2	338.1	393.6	65.9

7245	7246	7247	7248
33.3	4.5	13.0	8.4
	5.0	9.0	5.4
		13.0	6.2
		1.3	0.9
	14.0		
4.1			3.1
		0.8	
6.2	18.0	11.0	5.1
4.3	2.6	6.8	
	22.0		
		12.0	
		9.0	2.2
		1.5	0.9
7.6	15.0	3.8	2.6
5.0	6.7	5.4	3.5
		0.3	
	7.5		3.5
1.6		10.0	
1.7	134.0		1.4
4.2	1.8	1.5	
18.5	40.0	21.2	17.6
18.4	17.4	14.0	5.1
9.8	138.7	15.0	5.0
		2.0	
21.0	25.9	35.0	30.2
	19.6	9.5	
2.3		2.4	1.9
2.4	25.0	10.0	11.0
4.0		2.2	1.4
3.9	8.0	1.4	1.0
1.3	1.5		
	10.0	0.8	
0.4			
1.0		1.4	
		1.1	
7.5	14.5	4.5	7.0
158.5	531.7	218.9	123.4

6. Data on Tuna Longline Fishing

125 baskets (hachi) of tuna long-line were used. Each of 100 baskets was composed of 250 meters long main line which carried 4 branch lines and each of 25 baskets was composed of 300 meters long main line which carried 5 branch lines. The branch lines, each carrying one hook at the end, were attached to a main line at intervals of 50 meters. The depths at which hooks were hung were measured with chemical tubes, showing variations from 60 to 150 meters.

A frozen saury or squid was attached to a hook as bait.

Operation of long-line was supervised by the captain and deck officers, and all hands of crew and cadets were engaged in operations.

Biological measurement of fish caught was carried out on board by deck officers immediately after the fishing.

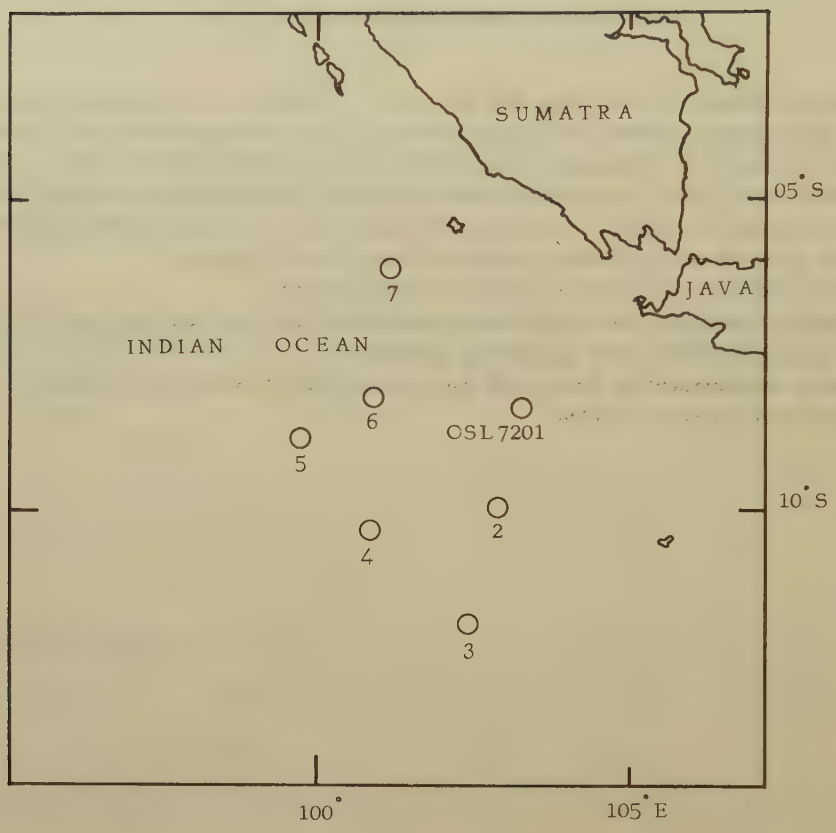


Fig. 4 Locations of tuna longline fishing.

Table 5. Data on tuna longline fishing.

No. of fishing		OSL 7201	OSL 7202	OSL 7203	OSL 7204	OSL 7205	OSL 7206	OSL 7207
No. of station		OS 72161	OS 72163	OS 72165	OS 72167	OS 72169	OS 72171	OS 72173
Date		Nov. 29	30	Dec. 1	2	3	4	5
Position of line set	Lat. (S)	08-22	09-57	11-45	10-20	08-50	08-13	06-08
	Long. (E)	103-18	102-56	102-28	100-53	99-44	100-55	101-12
S.M.T.	Line set	0508-0705	0406-0544	0406-0549	0402-0538	0400-0531	0400-0545	0403-0543
	Line haul	1306-1712	1300-1650	1300-1645	1301-1642	1304-1644	1300-1633	1300-1631
Direction of line set		340	330	310	310	300	200-250	200-250
Number of basket used		125	125	125	125	125	125	125
Albacore		-	-	1	-	-	-	-
Yellowfin tuna		4	-	-	-	6	2	2
Bigeye tuna		1	2	-	6	2	5	-
Striped marlin		-	-	-	-	-	-	-
Black marlin		1	1	1	-	-	-	-
Pacific black marlin		1	1	1	-	-	-	1
Sailfish		2	-	-	1	-	1	-
Swordfish		-	1	-	-	-	-	-
Tuna snapped by shark		-	-	-	1	-	2	1
Skipjack tuna		1	1	-	-	-	-	-
Sharks		5	-	3	4	1	3	5
Dolphin		-	-	-	-	-	1	-
Mackerel		-	-	-	-	1	-	-
Pacific lancetfish		8	5	5	15	11	10	3
Rays		2	-	3	3	3	7	4

Table 6 Biological characteristics of fishes caught by tuna longline.

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
L01	YELLOWFIN TUNA	137.0	46.0	850	1.79	F	3		SQ,SH,SQU
		115.0	25.0	500	1.64	F	3		SF,SH,OA
		140.0	50.0	650	1.82	M	4		SQ,SF
		73.0	5.0	2	1.29	M	1		SQ,SF,SH,OA
	BIGEYE TUNA	156.0	95.0	450	2.50	M	4		SQ,SF,PL,SH,OA
	BLACK MARLIN	200.0	108.0	450	1.35	M	3		FB
	SAILFISH	136.0	15.0	100	0.60	F	3		SF
		156.0	20.0	50	0.53	M	2		SQ,S(B)
	PACIFIC BLACK MARLIN	169.0	50.0	10	1.04	F	1		SQ
L02	BIGEYE TUNA	159.0	65.0	1000	1.62	F	3		SQ,SF,SH,SQ(B)
		97.6	12.0	100	1.29	M	4		SQ
	BLACK MARLIN	190.0	95.0	650	1.39	F	3		EMPTY
	SWORDFISH	70.0	4.3		1.25				SQ,SH
	PACIFIC BLAK MARLIN	196.0	95.0	950	1.26	F	3		SQ,SF,SH
L03	ALBACORE	115.0	20.0	150	1.32	M	2		SQ,SF,PL,SH
	BLACK MARLIN	185.0	92.0	750	1.45	F	3		SQ,SF
	PACIFIC BLACK MARLIN	185.0	45.0	450	0.71	F	3		EMPTY
L04	BIGEYE TUNA	152.0	60.0	1300	1.71	F	4		SQ(B)
		148.0	53.0	500	1.63	F	3		SQ,SF,SQ(B)
		168.0	104.0	600	2.19	M	4		SQ,SQ(B)
		162.0	98.0	750	2.31	M	4		EMPTY
		125.0	30.0	400	1.54	M	4		SQ
		123.0	25.0	300	1.34	M	3		REVERSED
	SAILFISH	154.0	13.0	50	0.36	M	1		SQ,SF
L05	YELLOWFIN TUNA	145.0	44.0	1000	1.44	F	4		SQ,SF
		114.0	18.0	200	1.21	F	3		SF,SH
		145.0	46.0	450	1.51	M	4		SQ,SF
		130.0	30.0	150	1.37	M	2		SF,SH
		117.0	22.0	100	1.37	M	1		S(B)
	BIGEYE TUNA	105.0	20.0	250	1.73	F	2		SQ
		110.0	20.0	100	1.50	M	3		SQ
	MACKEREL	161.0	15.0	2000	0.36	F	4		SQ,SF,PL,SH,OA,S(B)
L06	YELLOWFIN TUNA	151.0	37.0	200	1.07	M	3		EMPTY
		142.0	40.0	400	1.40	M	3		SQ,SF
	BIGEYE TUNA	135.0	34.0	350	1.38	F	3		SQ,SF,SH
		135.0	30.0	300	1.22	F	3		SQ,SF
		140.0	44.0	400	1.60	M	4		SQ,SF,S(B)
		139.0	27.0	300	1.01	M	4		S(B)
		134.0	31.0	230	1.29	M	4		SQ,SF
	SAILFISH	161.0	10.0	50	0.24	F	2		SQ,SF
L07	YELLOWFIN TUNA	102.0	18.0	150	1.70	F	2		SQ,SF,SH,SQU
		88.0	9.0	100	1.32	F	2		SH
	PACIFIC BLACK MARLIN	193.0	73.0	350	1.02	F	1		SF

3

THE "OSHORO MARU" CRUISE 51 TO THE SOUTH CHINA SEA AND THE INDIAN OCEAN IN OCTOBER - DECEMBER 1973

1. Cruise Itinerary

Departure from Hakodate	Oct.	22,	1973
Arrival at Tokyo		24	
Departure from Tokyo		28	
Anchorage at Sumoto Hr. for waiting the tide		29	
Anchorage at Obe bay for waiting the tide		30	
Arrival at Nagasaki	Nov.	1	
Departure from Nagasaki		5	
Starting hydrographic cast (OS 73137) and trawl fishing (OST 7309)		13	
Finishing hydrographic cast (OS 73160) and trawl fishing (OST 7343)		22	
Arrival at Singapore		24	
Departure from Singapore		28	
Starting hydrographic cast (OS 73161) and tuna long-line fishing (OSL 7301)	Dec.	1	
Finishing hydrographic cast (OS 73165) and tuna long-line fishing (OSL 7305)		5	
Arrival at Penang		7	
Departure from Penang		11	
Return to Hakodate		25	

Total caverage 10,623.7 miles, 12 days in ports and 42 days at sea

2. Vessel Personnel

Captain:		Professor	Takeji Fujii
Crew:	Chief Officer	Associate Professor	Kiyoshi Masuda
	First Officer	Instructor	Genji Kobayashi
	Second Officer	Research Associate	Gen Anma
	Chief Engineer	Research Associate	Shoich Tomisawa
	First Engineer		Kenzo Omi
	Second Engineer		Ichiro Kataoka
	Third Engineer		Tetsusaburo Inomata
	Chief Radio Operator		Mitsuo Kurotori
	Junior Radio Operator		Tetsuya Nakamura
	Purser		Akira Togashi
	and 27 men		
Research Staff:	Graduate Student (Doctor's Course)		Keiichi Matsuura
Cadets:	12 cadets, Department of Fishing Science		
Total:	51 persons		

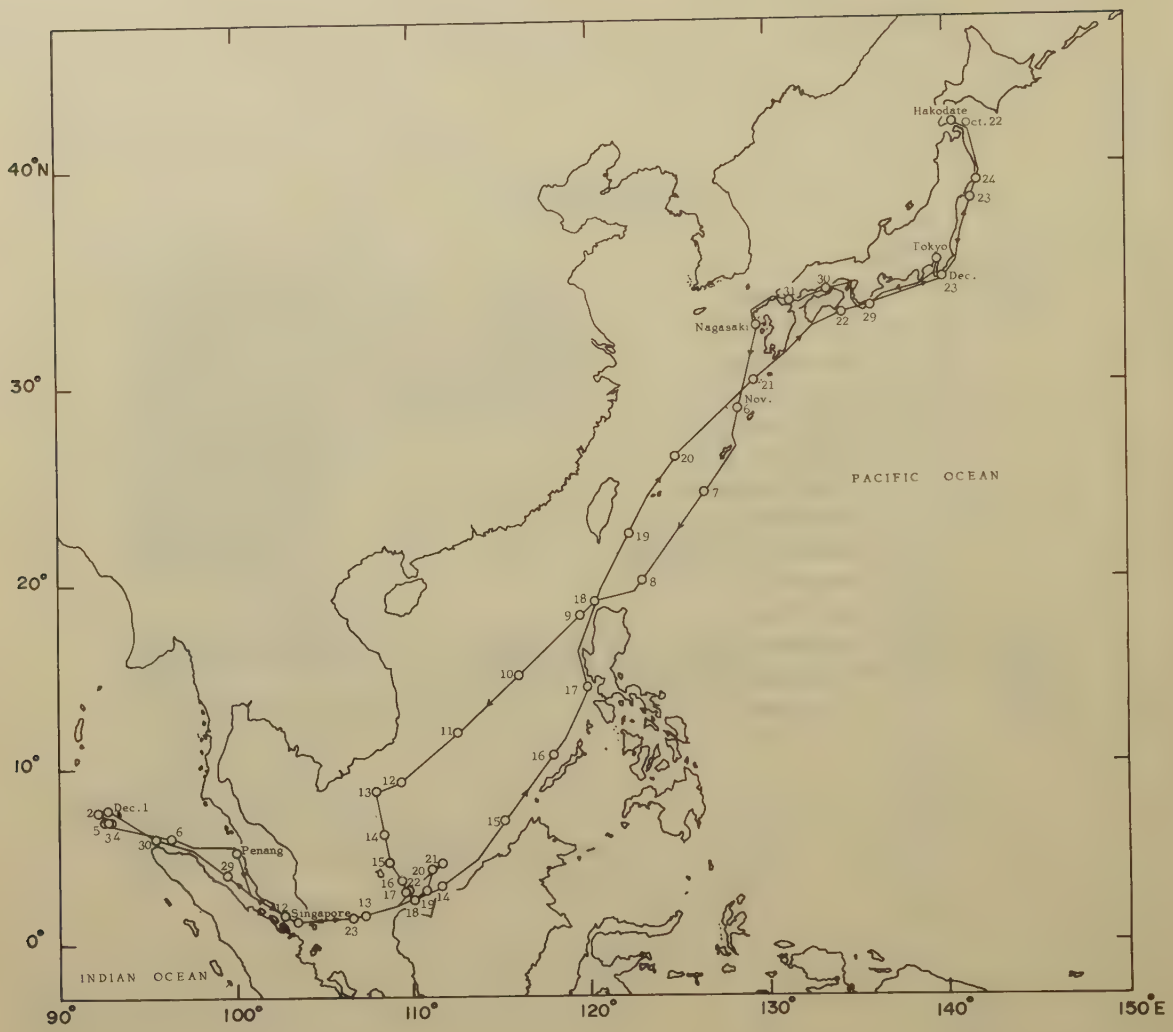


Fig. 1 Track and noon positions

3. Items of Observation

Meteorological observation:

Every three-hour interval, covering the whole course.

Hydrographic observation:

Temperature measurement and sampling of water for salinity determination, the depths from the surface down to about 1,500 m at maximum, at 29 stations.

Tuna longline fishing:

5 operations in the west coast of Andaman

Trawl fishing:

35 operations off the northwest coast of Borneo and weighing of catch and measurement of biological characters of each species caught

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Oshoro Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1. List of oceanographic stations.

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 73137	08-30N	108-20E	Nov.13	0530-0629	Nov.12	2130-2229	D.R.P.
OS 73138	08-36N	108-07E	13	1128-1210	13	0328-0410	A.O.P.
OS 73139	07-22N	108-30E	13	2240-2310	13	1440-1510	D.R.P.
OS 73140	06-18N	108-58E	14	0518-0605	13	2118-2205	D.R.P.
OS 73141	06-18N	108-11E	14	1400-1452	14	0600-0652	A.O.P.
OS 73142	05-12N	108-35E	15	0527-0618	14	2127-2218	A.O.P.
OS 73143	04-29N	109-00E	15	1705-1752	15	0905-0952	A.O.P.
OS 73144	03-36N	109-12E	16	0503-0542	15	2103-2142	A.O.P.
OS 73145	03-41N	109-42E	16	1527-1610	16	0727-0810	A.O.P.
OS 73146	03-00N	109-19E	17	0500-0606	16	2100-2206	Radar
OS 73147	02-56N	109-55E	17	1831-1901	17	1031-1101	D.R.P.
OS 73148	02-20N	110-12E	18	0513-0547	17	2113-2147	Radar
OS 73149	02-25N	110-24E	18	1300-1333	18	0500-0533	Radar
OS 73150	02-09N	110-39E	18	2315-2350	18	1515-1550	Radar
OS 73151	02-53N	110-44E	19	0430-0510	18	2030-2110	D.R.P.
OS 73152	03-12N	110-49E	19	1810-1913	19	1010-1113	D.R.P.
OS 73153	03-36N	110-57E	20	0013-0042	19	1613-1642	D.R.P.
OS 73154	04-13N	111-10E	20	0427-0540	19	2027-2140	A.O.P.
OS 73155	04-23N	110-42E	21	0025-0113	20	1625-1713	D.R.P.
OS 73156	04-33N	110-13E	21	0450-0524	20	2050-2124	A.O.P.
OS 73157	04-18N	110-31E	21	1650-1730	21	0850-0930	D.R.P.
OS 73158	03-58N	110-14E	21	2043-2135	21	1243-1335	D.R.P.
OS 73159	03-25N	110-12E	22	0029-0108	21	1629-1708	D.R.P.
OS 73160	02-52N	110-11E	22	0420-0432	21	2020-2032	D.R.P.
OS 73161	06-42N	092-52E	Dec. 1	0830-1122	Dec. 1	0100-0352	A.O.P.
OS 73162	07-25N	092-14E	2	0830-1057	2	0100-0327	A.O.P.
OS 73163	06-52N	092-57E	3	0830-1118	3	0100-0348	A.O.P.
OS 73164	07-00N	093-00E	4	0830-1130	4	0100-0400	A.O.P.
OS 73165	07-00N	092-53E	5	0830-1133	5	0100-0403	A.O.P.

D.R.P.: position by dead reckoning A.O.P.: position by astronomical observation

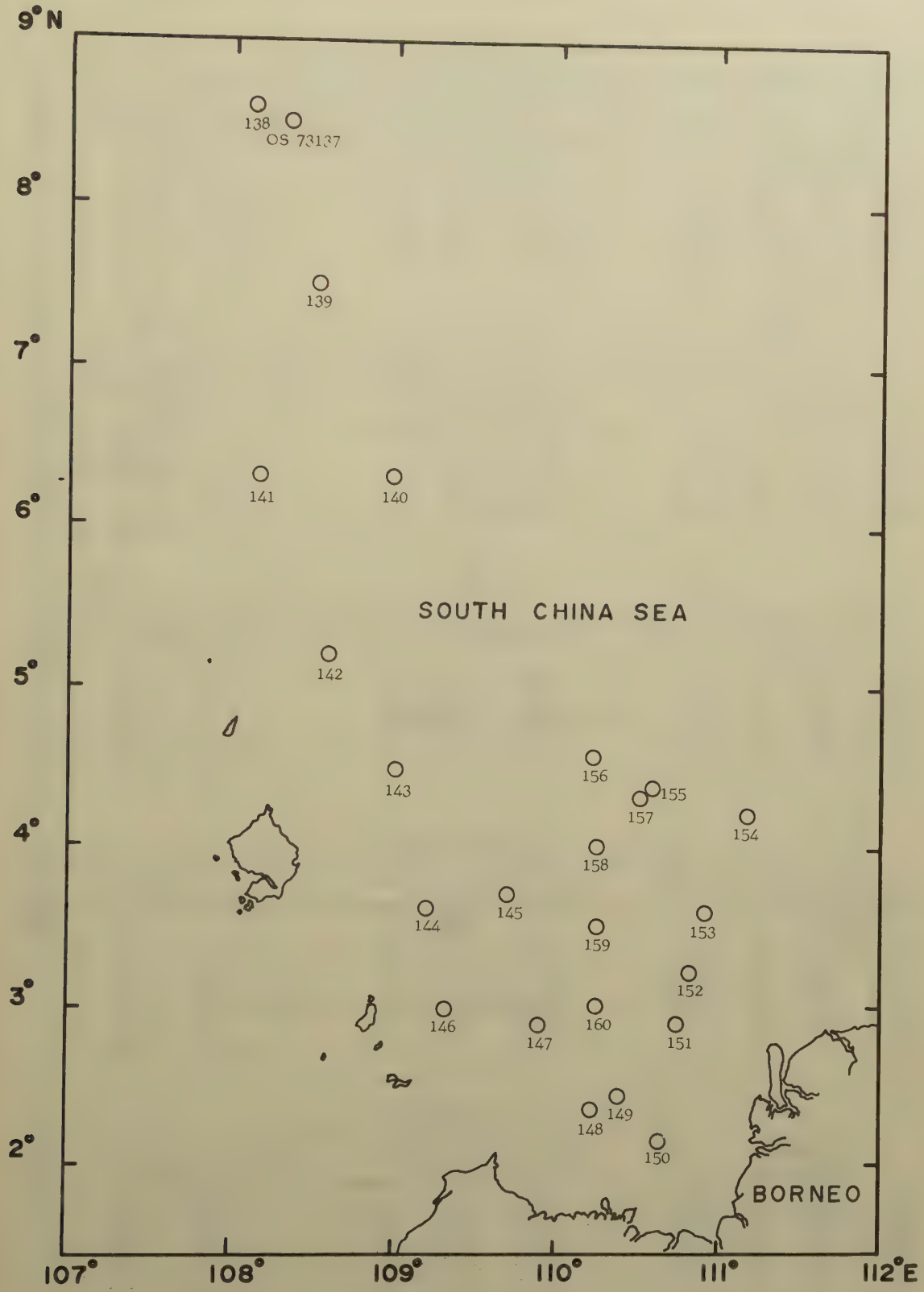


Fig. 2 - A Oceanographic stations to the South China Sea.

Fig. 2 - B Oceanographic stations to the Indian Ocean.

Table 2. Oceanographic data.

STATION OS73137

LATITUDE 08-30 N LONGITUDE 108-20 E DATE 73-11-13 25.1 (GMT) DEPTH 85 COL. TR.

SEA 08 2A SWELL 13 1A WIND 08 02F AIR TEMP. DRY 26.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.30	33.21		0	26.30	33.21		21.61	620	620	0.000
10	26.10	33.30		10	26.10	33.30		21.74	607	607	0.061
19	25.84	33.60		20	25.82	33.61		22.07	576	577	0.121
29	25.71	33.67		30	25.71	33.67		22.15	569	570	0.178
48	25.74	33.69		50	25.74	33.69		22.15	569	570	0.292
71	25.74	33.70		75	25.74	33.70		22.16	568	570	0.435
76	25.74	33.70									

STATION OS73138

LATITUDE 08-36 N LONGITUDE 108-07 E DATE 73-11-13 03.4 (GMT) DEPTH 68 COL. 03 TR. 13

SEA 08 2A SWELL 11 1A WIND 08 02F AIR TEMP. DRY 27.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.50	33.29		0	26.50	33.29		21.61	620	620	0.000
10	26.19	33.28		10	26.19	33.28		21.70	612	612	0.062
20	26.12	33.28		20	26.12	33.28		21.72	609	610	0.123
29	26.04	33.29		30	26.04	33.29		21.76	606	607	0.184
49	26.03	33.30		50	26.03	33.30		21.77	605	607	0.305
69	26.01	33.30									

STATION OS73139

LATITUDE 07-22 N LONGITUDE 108-30 E DATE 73-11-13 14.6 (GMT) DEPTH 102 COL. TR.

SEA 05 2A SWELL 05 1A WIND 05 03F AIR TEMP. DRY 27.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.70	32.99		0	27.70	32.99		21.00	678	678	0.000
10	27.32	32.95		10	27.32	32.95		21.10	669	670	0.067
20	25.76	33.48		20	25.76	33.48		21.98	584	585	0.130
30	25.30	33.81		30	25.30	33.81		22.37	547	548	0.187
49	24.46	33.97		50	24.39	33.98		22.78	508	510	0.293
74	22.43	34.24		75	22.35	34.25		23.57	433	435	0.411
99	20.49	34.39									

STATION OS73140

LATITUDE 06-18 N LONGITUDE 108-58 E DATE 73-11-14 21.3 (GMT) DEPTH 121 COL. TR.

SEA 32 1A SWELL 01 1A WIND 32 02F AIR TEMP. DRY 26.7 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	33.21		0	26.80	33.21		21.46	635	635	0.000
10	26.76	33.19		10	26.76	33.19		21.45	635	635	0.064
20	25.75	33.44		20	25.75	33.44		21.96	587	587	0.125
30	22.94	34.13		30	22.94	34.13		23.31	457	458	0.177
50	20.96	34.34		50	20.96	34.34		24.02	390	391	0.262
75	19.05	34.42		75	19.05	34.42		24.59	336	338	0.353
99	17.56	34.49		100	17.53	34.49		25.02	295	298	0.433
115	17.33	34.54									

STATION OS73141

LATITUDE 06-18 N LONGITUDE 108-11 E DATE 73-11-14 06.0 (GMT) DEPTH 90 COL. 03 TR. 17

SEA 36 2A SWELL 35 1A WIND 36 02F AIR TEMP. DRY 26.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.30	33.36		0	26.30	33.36		21.73	609	609	0.000
9	26.24	33.39		10	26.21	33.40		21.79	603	603	0.061
17	26.00	33.49		20	25.97	33.50		21.93	589	590	0.120
25	25.94	33.50		30	25.81	33.53		22.01	582	583	0.179
42	25.37	33.66		50	25.03	33.75		22.41	544	545	0.292
72	23.89	34.05									

STATION OS73142

LATITUDE 05-12 N LONGITUDE 108-35 E DATE 73-11-15 21.4 (GMT) DEPTH 106 COL. TR.
SEA 34 1A SWELL 35 1A WIND 34 02F AIR TEMP. DRY 26.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.20	32.94		0	27.20	32.94		21.13	666	666	0.000
8	26.80	32.99		10	26.59	33.10		21.44	637	637	0.065
17	25.89	33.49		20	25.73	33.57		22.06	577	578	0.126
25	25.58	33.65		30	25.58	33.69		22.20	564	565	0.183
42	25.58	33.74		50	25.34	33.80		22.35	549	551	0.295
63	24.82	33.90		75	24.38	33.97		22.77	509	511	0.428
84	24.05	34.02									

STATION OS73143

LATITUDE 04-29 N LONGITUDE 109-00 E DATE 73-11-15 09.0 (GMT) DEPTH 108 COL. 04 TR. 25
SEA 27 1A SWELL 36 1A WIND 27 01F AIR TEMP. DRY 28.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.60	32.86		0	27.60	32.86		20.94	685	684	0.000
9	27.47	32.88		10	27.45	32.89		21.01	678	678	0.068
17	27.36	32.93		20	27.36	32.92		21.06	673	673	0.136
26	27.32	32.91		30	27.16	32.98		21.17	663	663	0.203
43	26.45	33.30		50	26.08	33.46		21.87	595	597	0.329
65	25.36	33.76		75	24.99	33.88		22.52	533	536	0.470
87	24.66	33.95									

STATION OS73144

LATITUDE 03-36 N LONGITUDE 109-12 E DATE 73-11-16 21.0 (GMT) DEPTH 88 COL. TR.
SEA 27 2A SWELL 32 1A WIND 27 03F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.80	32.41		0	28.80	32.41		20.21	755	754	0.000
9	29.08	32.40		10	29.09	32.40		20.11	764	764	0.076
19	29.03	32.44		20	29.02	32.44		20.16	759	760	0.152
28	28.93	32.50		30	28.92	32.53		20.26	750	750	0.228
47	28.41	32.95		50	28.06	33.07		20.95	683	685	0.371
70	25.72	33.75		75	25.62	33.80		22.27	557	560	0.527
79	25.67	33.81									

STATION OS73145

LATITUDE 03-41 N LONGITUDE 109-42 E DATE 73-11-16 07.4 (GMT) DEPTH 86 COL. 03 TR. 27
SEA 25 2A SWELL 32 1A WIND 25 02F AIR TEMP. DRY 29.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.50	32.44		0	29.50	32.44		20.00	775	774	0.000
9	29.14	32.42		10	29.12	32.42		20.11	764	764	0.077
18	29.02	32.44		20	29.01	32.45		20.17	758	759	0.153
26	28.96	32.51		30	28.85	32.61		20.34	742	743	0.228
44	28.22	33.05		50	27.88	33.21		21.12	668	669	0.370
70	26.37	33.71									

STATION OS73146

LATITUDE 03-00 N LONGITUDE 109-19 E DATE 73-11-17 21.0 (GMT) DEPTH 61 COL. TR.
SEA 22 1A SWELL 33 1A WIND 22 02F AIR TEMP. DRY 28.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.20	32.07		0	29.20	32.07		19.82	792	791	0.000
10	29.40	32.06		10	29.40	32.06		19.75	799	799	0.080
20	29.32	32.08		20	29.32	32.08		19.79	795	795	0.159
30	29.27	32.10		30	29.27	32.10		19.82	792	793	0.239
49	28.05	33.14		50	28.02	33.17		21.04	675	677	0.386
55	27.90	33.28									

STATION OS73147

LATITUDE 02-56 N LONGITUDE 109-55 E DATE 73-11-17 10.5 (GMT) DEPTH 61 COL. 04 TR.
SEA 25 2A SWELL 35 1A WIND 22 02F AIR TEMP. DRY 25.5 WET BAR. WEATHER X9

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.40	32.14		0	29.40	32.14		19.81	793	793	0.000
9	29.34	32.17		10	29.34	32.17		19.85	789	789	0.079
19	29.32	32.21		20	29.32	32.21		19.89	785	786	0.158
28	29.29	32.27		30	29.22	32.31		20.00	775	776	0.236
46	28.60	32.71		50	28.50	32.78		20.59	718	720	0.386
56	28.38	32.86									

STATION OS73148

LATITUDE 02-20 N LONGITUDE 110-12 E DATE 73-11-18 21.2 (GMT) DEPTH 45 COL. TR.
SEA 15 1A SWELL 35 1A WIND 15 01F AIR TEMP. DRY 26.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.30	32.14		0	29.30	32.14		19.84	790	790	0.000
10	29.41	32.14		10	29.41	32.14		19.81	793	794	0.079
20	29.38	32.13		20	29.38	32.13		19.81	793	794	0.159
29	29.06	32.41		30	29.03	32.44		20.15	760	761	0.236
40	28.76	32.62									

STATION OS73149

LATITUDE 02-25 N LONGITUDE 110-24 E DATE 73-11-18 05.0 (GMT) DEPTH 65 COL. 03 TR. 26
SEA SWELL 31 1A WIND CALM AIR TEMP. DRY 28.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.70	32.10		0	29.70	32.10		19.68	806	805	0.000
10	29.31	32.13		10	29.31	32.13		19.83	791	791	0.080
20	29.23	32.13		20	29.23	32.13		19.86	788	789	0.159
30	29.26	32.16		30	29.26	32.16		19.87	787	788	0.238
49	28.26	32.73		50	28.23	32.75		20.65	712	714	0.388
60	27.99	32.87									

STATION OS73150

LATITUDE 02-09 N LONGITUDE 110-39 E DATE 73-11-18 15.2 (GMT) DEPTH 54 COL. TR.
SEA 34 1A SWELL 35 1A WIND 34 01F AIR TEMP. DRY 28.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.30	30.60		0	28.30	30.60		19.02	869	869	0.000
10	29.50	31.81		10	29.50	31.81		19.53	820	820	0.085
20	29.38	32.12		20	29.38	32.12		19.80	794	794	0.165
30	29.18	32.28		30	29.18	32.28		19.99	776	777	0.244
50	28.57	32.58		50	28.57	32.58		20.41	735	737	0.395

STATION OS73151

LATITUDE 02-53 N LONGITUDE 110-44 E DATE 73-11-19 20.5 (GMT) DEPTH 40 COL. TR.
SEA 34 2A SWELL 34 1A WIND 34 03F AIR TEMP. DRY 26.1 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.00	31.67		0	29.00	31.67		19.59	814	814	0.000
10	29.27	32.08		10	29.27	32.08		19.81	793	793	0.080
20	29.27	32.13		20	29.27	32.13		19.84	790	790	0.160
29	29.29	32.15		30	29.29	32.15		19.85	789	790	0.239
34	29.26	32.15									

STATION OS73152

LATITUDE 03-12 N LONGITUDE 110-49 E DATE 73-11-19 10.1 (GMT) DEPTH 41 COL. 03 TR. 23
SEA 04 1A SWELL 34 1A WIND 04 01F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	29.30	32.14		0	29.30	32.14		19.84	790	790	0.000
10	29.22	32.14		10	29.22	32.14		19.87	787	787	0.079
20	29.20	32.42		20	29.20	32.42		20.08	767	767	0.157
29	29.18	32.45		30	29.18	32.45		20.12	764	765	0.233
35	29.18	32.45									

STATION OS73153

LATITUDE 03-36 N LONGITUDE 110-57 E DATE 73-11-20 16.2 (GMT) DEPTH 63 COL. TR.
SEA 14 1A SWELL 34 1A WIND 14 01F AIR TEMP. DRY 27.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.80	32.42		0	28.80	32.42		20.22	754	753	0.000
10	28.94	32.42		10	28.94	32.42		20.17	758	758	0.076
20	28.95	32.46		20	28.95	32.46		20.20	756	756	0.151
30	28.97	32.50		30	28.97	32.50		20.22	753	754	0.227
49	28.93	32.60		50	28.93	32.60		20.31	745	746	0.377
58	28.90	32.63									

STATION OS73154

LATITUDE 03-13 N LONGITUDE 111-10 E DATE 73-11-20 20.4 (GMT) DEPTH 79 COL. 03 TR. 26
SEA SWELL 34 1A WIND CALM AIR TEMP. DRY 27.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.80	32.46		0	28.80	32.46		20.25	751	751	0.000
10	28.91	32.49		10	28.91	32.49		20.23	752	752	0.075
20	28.81	32.61		20	28.81	32.61		20.36	740	741	0.150
30	28.75	32.70		30	28.75	32.70		20.44	732	733	0.224
50	28.27	33.02		50	28.27	33.02		20.84	694	696	0.367
75	26.43	33.61		75	26.43	33.61		21.87	595	598	0.528

STATION OS73155

LATITUDE 04-23 N LONGITUDE 110-42 E DATE 73-11-21 16.4 (GMT) DEPTH 87 COL. TR.
SEA 30 1A SWELL 25 1A WIND 30 01F AIR TEMP. DRY 27.3 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.50	32.53		0	28.50	32.53		20.40	736	736	0.000
10	28.68	32.52		10	28.68	32.52		20.33	743	743	0.074
20	28.41	32.69		20	28.41	32.69		20.55	722	722	0.147
30	28.03	32.80		30	28.03	32.80		20.76	702	703	0.219
50	26.42	33.21		50	26.42	33.21		21.58	623	625	0.352
74	25.08	33.82		75	25.06	33.83		22.46	539	541	0.497
81	25.04	33.87									

STATION OS73156

LATITUDE 04-33 N LONGITUDE 110-13 E DATE 73-11-21 20.8 (GMT) DEPTH 115 COL. TR.
SEA 31 1A SWELL 34 1A WIND 31 02F AIR TEMP. DRY 27.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.20	32.66		0	28.20	32.66		20.59	718	717	0.000
9	28.36	32.68		10	28.34	32.69		20.57	719	720	0.072
18	27.90	32.87		20	27.68	32.94		20.97	681	682	0.142
27	26.84	33.17		30	26.60	33.24		21.54	626	627	0.208
46	25.71	33.53		50	25.57	33.60		22.13	570	572	0.328
69	24.96	33.87		75	24.64	33.94		22.67	519	521	0.464
91	23.78	34.02		100	23.70	33.98		22.98	489	493	0.591
101	23.71	33.97									

STATION OS73157

LATITUDE 04-18 N LONGITUDE 110-31 E DATE 73-11-21 08.8 (GMT) DEPTH 95 COL. 03 TR. 27
SEA 34 2A SWELL 35 1A WIND 34 03F AIR TEMP. DRY 28.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.80	32.59		0	28.80	32.59		20.35	742	741	0.000
10	28.80	32.59		10	28.80	32.59		20.35	742	742	0.074
19	28.44	32.66		20	28.44	32.67		20.52	725	725	0.148
29	28.38	32.74		30	28.31	32.76		20.63	714	715	0.220
49	26.58	33.24		50	26.51	33.27		21.59	622	623	0.354
73	25.14	33.80		75	25.05	33.83		22.46	539	541	0.499
87	24.57	33.92									

STATION OS73158

LATITUDE 03-58 N LONGITUDE 110-14 E DATE 73-11-21 12.7 (GMT) DEPTH 101 COL. TR.
SEA 01.2A SWELL 35 1A WIND 01 03F AIR TEMP. DRY 27.6 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.50	32.41		0	28.50	32.41		20.31	745	745	0.000
10	28.83	32.40		10	28.83	32.40		20.19	756	756	0.075
19	28.87	32.41		20	28.89	32.41		20.18	757	758	0.151
29	28.91	32.48		30	28.83	32.51		20.27	749	749	0.226
48	27.00	33.09		50	26.86	33.15		21.39	641	642	0.366
72	25.77	33.71		75	25.65	33.75		22.23	561	564	0.516
96	25.00	33.86									

STATION OS73159

LATITUDE 03-25 N LONGITUDE 110-12 E DATE 73-11-22 16.4 (GMT) DEPTH 78 COL. TR.
SEA 35 2A SWELL 33 1A WIND 35 02F AIR TEMP. DRY 27.7 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.90	32.38		0	28.90	32.38		20.15	760	760	0.000
10	29.09	32.37		10	29.09	32.37		20.08	767	767	0.076
20	29.13	32.37		20	29.13	32.37		20.07	768	768	0.153
29	29.11	32.37		30	29.09	32.38		20.09	766	767	0.230
49	28.52	32.82		50	28.48	32.84		20.64	713	715	0.378
73	27.49	33.40									

STATION OS73160

LATITUDE 02-52 N LONGITUDE 110-11 E DATE 73-11-22 20.3 (GMT) DEPTH 61 COL. TR.
SEA 33 2A SWELL 33 1A WIND 33 03F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.00	32.12		0	28.00	32.12		20.26	750	750	0.000
10	29.16	32.11		10	29.16	32.11		19.87	788	788	0.077
19	28.31	32.10		20	28.39	32.10		20.11	764	764	0.155
29	29.16	32.17		30	29.14	32.20		19.94	781	781	0.232
48	28.22	32.75		50	28.19	32.79		20.70	708	709	0.381
52	28.17	32.83									

STATION OS73161

LATITUDE 06-42 N LONGITUDE 92-52 E DATE 73-12-01 01.0 (GMT) DEPTH 2900 COL. 02 TR. 18
SEA 10 2A SWELL 09 1A WIND 10 03F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	33.98		0	28.10	33.98		21.62	620	619	0.000
10	27.95	33.97		10	27.95	33.97		21.66	616	616	0.062
20	27.95	33.97		20	27.95	33.97		21.66	616	616	0.123
29	27.67	34.05		30	27.65	34.03		21.80	602	603	0.184
49	27.15	33.44		50	27.11	33.42		21.52	629	631	0.308
73	25.86	33.46									

STATION OS73162

LATITUDE 07-25 N LONGITUDE 92-14 E DATE 73-12-02 01.0 (GMT) DEPTH 3695 COL. 03 TR. 15
SEA 10 2A SWELL 09 1A WIND 10 03F AIR TEMP. DRY 27.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	33.81		0	27.80	33.81		21.59	622	622	0.000
7	27.85	33.81		10	27.86	33.81		21.57	624	624	0.062
14	27.86	33.82		20	27.84	33.83		21.59	622	623	0.125
21	27.84	33.83		30	27.91	33.91		21.63	619	620	0.187
35	27.96	33.97		50	27.93	34.19		21.83	599	601	0.309
70	27.89	34.41		75	27.71	34.39		22.06	578	580	0.457
87	27.19	34.39		100	26.60	34.62		22.58	527	531	0.596
104	26.42	34.70		125	22.82	34.83		23.87	404	408	0.713
127	22.48	34.83		150	19.47	34.86		24.81	314	319	0.804
170	17.60	34.81									

STATION OS73163

LATITUDE 06-47 N LONGITUDE 92-57 E DATE 73-12-03 01.0 (GMT) DEPTH 1840 COL. 03 TR. 20

SEA 11 3A SWELL 09 1A WIND 11 03F AIR TEMP. DRY 26.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.00	34.12		0	28.00	34.12		21.76	606	606	0.000
9	28.08	34.11		10	28.08	34.11		21.72	610	610	0.061
18	28.08	34.10		20	28.08	34.10		21.71	611	611	0.122
26	28.07	34.10		30	28.05	34.13		21.75	607	608	0.183
44	27.72	34.28		50	27.31	34.29		22.10	573	575	0.301
66	26.23	34.32		75	25.89	34.42		22.65	520	523	0.439
88	25.39	34.59		100	23.82	34.71		23.50	440	443	0.559
109	22.64	34.77		125	20.49	34.72		24.44	350	354	0.659
131	19.74	34.69		150	18.53	34.70		24.93	303	308	0.742
180	16.62	34.79		200	15.15	34.85		25.84	216	222	0.875
228	13.10	34.93		250	12.14	34.97		26.56	148	154	0.969
264	11.68	34.99		300	11.14	35.01		26.78	127	134	1.041
352	10.35	35.02		400	10.09	35.02		26.97	109	117	1.168
441	9.87	35.02		500	9.45	35.01		27.07	100	110	1.282
530	9.24	35.00		600	8.89	35.00		27.16	92	103	1.389
620	8.81	34.99		700	8.61	34.81		27.05	102	115	1.498
708	8.59	34.79		800	8.13	34.82		27.14	94	108	1.610
886	7.59	34.93		1000	6.83	34.96		27.43	66	81	1.799
1065	6.47	34.96		1200	6.20	34.94		27.50	59	76	1.957
1327	6.39	34.89									

STATION OS73164

LATITUDE 07-00 N LONGITUDE 93-00 E DATE 73-12-04 01.0 (GMT) DEPTH 1630 COL. 03 TR. 23

SEA 18 1A SWELL 21 1A WIND 18 02F AIR TEMP. DRY 25.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	33.52		0	27.80	33.52		21.37	643	643	0.000
9	27.91	33.61		10	27.92	33.61		21.40	640	640	0.064
19	28.00	33.68		20	28.01	33.71		21.44	636	637	0.128
28	28.10	33.93		30	28.12	33.96		21.60	622	623	0.191
46	28.12	34.06		50	28.08	34.06		21.69	613	615	0.315
70	27.50	34.10		75	27.14	34.15		22.06	577	580	0.464
94	25.75	34.38		100	24.68	34.45		23.04	483	487	0.598
116	21.82	34.60		125	20.60	34.66		24.37	357	361	0.704
138	19.11	34.73		150	18.21	34.77		25.06	291	295	0.786
184	15.66	34.83		200	14.76	34.86		25.94	208	213	0.914
224	13.61	34.90		250	12.57	34.95		26.45	158	164	1.008
299	11.17	35.01		300	11.15	35.01		26.78	128	135	1.083
374	10.24	35.01		400	10.12	35.01		26.96	110	119	1.210
449	9.95	35.01		500	9.50	35.01		27.07	100	110	1.325
528	9.24	35.00		600	8.89	34.82		27.02	105	116	1.439
609	8.86	34.80		700	8.50	34.84		27.09	98	111	1.553
782	8.13	34.95		800	7.99	34.96		27.26	82	96	1.657
960	6.89	34.97		1000	6.89	34.97		27.43	66	81	1.835
1199	6.89	34.96		1200	6.89	34.96		27.42	66	85	2.001
1221	6.89	34.96									

STATION OS73165

LATITUDE 07-00 N LONGITUDE 92-49 E DATE 73-12-05 01.0 (GMT) DEPTH 2220 COL. 02 TR. 24

SEA 15 1A SWELL 20 1A WIND 15 02F AIR TEMP. DRY 25.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	34.06		0	27.90	34.06		21.74	608	607	0.000
9	28.00	34.08		10	28.01	34.08		21.72	609	609	0.061
18	28.07	34.13		20	28.07	34.14		21.75	607	607	0.122
27	28.03	34.19		30	28.04	34.19		21.80	602	603	0.182
46	27.93	34.18		50	27.82	34.18		21.86	596	598	0.303
69	26.92	34.22		75	26.49	34.23		22.33	552	554	0.447
91	25.10	34.31		100	24.18	34.41		23.16	472	475	0.576
114	22.75	34.56		125	21.84	34.63		24.00	391	396	0.685
137	20.88	34.69		150	19.64	34.74		24.67	327	332	0.776
173	17.44	34.79		200	15.77	34.84		25.69	231	236	0.918
232	13.79	34.88		250	12.90	34.92		26.37	166	173	1.021
292	10.82	35.00		300	10.81	35.00		26.83	122	129	1.096
351	10.76	35.00		400	10.49	35.00		26.88	118	126	1.224
469	10.10	34.99		500	10.05	34.99		26.96	111	121	1.349
600	9.86	35.00		600	9.86	35.00		27.00	107	119	1.470
649	9.57	35.00		700	8.98	34.99		27.13	94	107	1.584
800	7.83	34.97		800	7.83	34.97		27.30	78	92	1.684
818	7.65	34.97		1000	6.21	34.91		27.47	62	76	1.853
1009	6.16	34.90									

5. Data on Trawl Fishing

Stern trawling carried out 35 stations on the South China Sea during Nov. 13 - Nov. 22, 1973.

Operation was supervissed by the captain and officers, and all hands of crew and cadets were engaged in the operation.

Catch was processed by deck officers, crew and cadets, and data of catch were recorded by the chief officer.

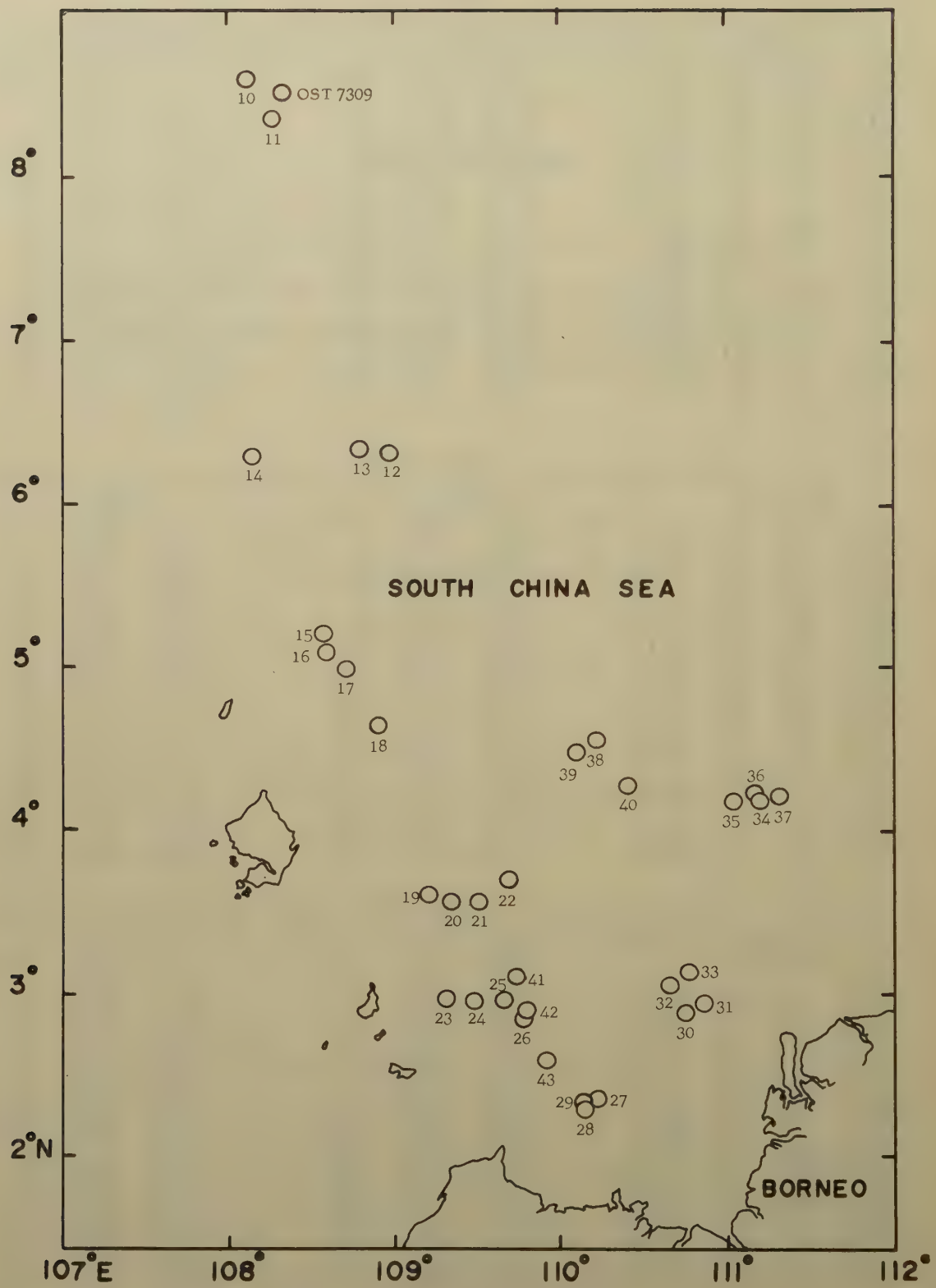


Fig. 3 Locations of trawl fishing.

Table 3. Data on trawl fishing.

No. of fishing	Date and time of net set	Position Lat.(N)	Position Long.(E)	Direction of tow	Duration of tow	Speed of tow (Kt)	Depth of sea bottom (m)	Quality of bottom	Temperature (°C) Surface	Temperature (°C) Near bottom	W[r]	Wind
OST 7309	Nov. 13 0645	08-30	108-20	190	2h 00m	3.2	87	S Sh	26.3	25.8	bc	East 2
OST 7310	13 1220	08-34	108-06	200	0 49	3.2	69	fS Sh	26.5	26.1	c	ENE 2
OST 7311	13 1540	08-20	108-17	200-205-210	2 00	2.5	84		26.7		bc	NE 1
OST 7312	14 0634	06-18	108-58	150	0 06	3.5-4.0	124	fS Sh	26.8	17.5	bc	NNW 2
OST 7313	14 0803	06-14	108-52	190	2 02	3.2	118		26.2		bc	North 2
OST 7314	14 1500	06-18	108-10	200	1 58	2.5-2.8	90	fS Sh	26.3	24.0	c	North 2
OST 7315	15 0632	05-10	108-35	180	2 00	3.2	101		27.2	24.1	bc	NNE 2
OST 7316	15 0909	04-55	108-35	110	1 59	2.5	98		26.4		bc	NNW 2
OST 7317	15 1146	04-49	108-42	140	1 59	2.6	101		27.0		bc	North 1
OST 7318	15 1426	04-38	108-55	210	2 01	2.5	104		27.6	24.8	bc	Calm
OST 7319	16 0652	03-36	109-12	100	1 59	2.7	86	gy M	28.5	25.7	bc	West 2
OST 7320	16 0911	03-34	109-22	100	2 02	2.5	83-80		28.4		bc	West 2
OST 7321	16 1149	03-33	109-31	100	2 00	2.6	82-79		28.9		bc	West 2
OST 7322	16 1614	03-41	109-42	80	1 59	2.5	86	gy M	28.8	25.7	bc	SW 2
OST 7323	17 0630	02-59	109-20	100	2 02	3.2	62	gy M	29.2	27.9	o	Calm
OST 7324	17 0908	02-57	109-29	80	1 59	3.0	64				r	South 3
OST 7325	17 1145	02-59	109-39	80	1 59	3.5	67-64		28.6		r	SW 3
OST 7326	17 1520	02-52	109-46	70	2 00	3.2	59		28.8	28.4	c	West 2
OST 7327	18 0631	02-21	110-14	80	1 36	3.0	48	gy M	29.3	28.7	o	SSE 1
OST 7328	18 0945	02-19	110-09	60	2 01	3.2	46-75		28.8		bc	ESE 2
OST 7329	18 1541	02-21	110-09	70	1 59	3.8	44		30.0		c	NNE 1
OST 7330	19 0632	02-52	110-44	50	1 58	2.9	40-38	br S	29.0	29.2	o	NE 3
OST 7331	19 0901	02-57	110-50	50	2 00	3.0	38-40		28.4		o	NNW 1
OST 7332	19 1305	03-02	110-38	50	2 01	3.2	46		28.6		o	ENE 1
OST 7333	19 1538	03-07	110-43	50	2 01	3.1	41		29.3		c	NE 1
OST 7334	20 0631	04-13	111-11	260	2 01	3.6	79	gy M S	28.8	26.5	c	SW 1
OST 7335	20 0908	04-11	111-03	80	2 00	2.7	80		28.3		o	Calm
OST 7336	20 1150	04-12	111-12	80	1 58	2.9	74		28.7		bc	NW 1
OST 7337	20 1424	04-14	111-21	240-170	1 58	3.4	72		28.5		o	West 2
OST 7338	21 0632	04-33	110-13	220-180-90	1 59	2.7-1.5	112	br M S	28.2	23.8	bc	NNW 2
OST 7339	21 1009	04-29	110-11	80	1 31	2.3	110		27.8		bc	NW 3
OST 7340	21 1404	04-16	110-24	80	1 59	2.8	98		28.8	24.6	c	NNW 3
OST 7341	22 0748	02-56	109-39	90	2 01	3.5	61-63		28.5		o	NNW 3
OST 7342	22 1022	02-53	109-48	90-130	2 00	3.0	63		28.5		o	NW 2
OST 7343	22 1421	02-36	109-55	80	2 06	3.3	49-47		28.6		o	NNW 3

W[r]: Weather

Table 4. Data on catches by trawl fishing in kg per haul.

Species	Gyoshu	7309	7310	7311	7312	7313	7314
Lamniformes	Same					3.3	30.2
Rajiformes	Gangiei						
Synodontidae	Eso		0.3			1.7	
Tachysurus sp.	Hamagigi						
Muraenesox cinereus	Hamo						
Aulostomicae	Yagara					0.2	
Holocentridae	Ittodai						
Sphyraena spp.	Kamasu						
Scomberomorus spp.	Sawara						
Trichiurus haumela	Tachiuo	0.3					
Caraginae	Aji				0.2		
Caranx spp.	Kaiwari					0.5	
Zonichthys nigrofasciata	Aiburi						
Formio niger	Kuroajimodoki						
Rachycentron canadum	Sugi						
Psenes sp.	Sujihanabirauo						0.1
Upeneus spp.	Himeji						
Pseudupeneus spp.	Umihigoi		0.2				
Priacanthus spp.	Kintokidai				0.5	0.2	1.7
Epinephelinae	Hata						
Argyrosomus spp.	Ishimochi						
Argyrops spinifer	Taiwandai						
Lutjanus spp.	Fuedai						
Pristipomoides spp.	Himedai		5.0				
Nemipterus spp.	Itoyoridai						
Gymnocranius spp.	Meichidai			0.1		0.1	
Plectorhynchus pictus	Korodai						
Scolopsis spp.	Tamagashira						
Drepane spp.	Sudaredai						
Triacanthus spp.	Gima						
Abalistes stellatus	Okihagi						
Ostraciontidae	Hakofugu		0.1	0.1		0.5	
Dactyloptena spp.	Semihoubo				19.0	16.0	
Pleuronectda	Karei		0.4			0.5	
Lophiidae	Anko					0.2	
Halieutaea spp.	Akagutsu						
Loliginidae	Yariika	0.8	0.2	0.2	0.2	6.0	
Sepiidae	Kooika		4.9			1.3	
Scyllaridae	Uchiwaebi		0.7	0.1			0.1
	Others				1.0	6.0	
	Total	1.1	11.8	0.5	20.9	36.5	32.1

7315	7316	7317	7318	7319	7320	7321	7322	7323	7324	7325	7326
	0.5	10.4	2.8		2.0			9.0	11.0	5.2	32.0
									20.0		
	4.5	2.4	2.7	2.0	0.3	2.1	1.5	1.3	5.4	3.9	7.0
	6.1	9.0	2.5	5.0	3.0	6.8	5.8	1.1	11.0	3.0	6.4
			5.0					17.0			
				0.2	0.3				0.4	0.9	2.0
							0.2				
				0.3			5.1			0.2	
		3.7	8.7		0.5	1.2		2.1	14.0		5.5
				1.1	0.4		1.0				3.0
		19.0	3.0		2.4	9.6	9.0		11.0	2.4	2.1
			2.1	1.0	1.9	8.5	1.1	65.0	6.4	12.0	18.0
	57.0		1.9	3.7	2.4	1.5	0.9	2.4	7.0	6.4	7.1
	5.1			1.0	2.1	0.8	4.3	0.8		3.9	4.6
									3.9		13.5
	5.1	5.0	5.4	5.7	1.5	11.0	3.8	2.0	1.8		
	0.2	0.2		1.2	1.4	1.0				0.5	
	0.2			0.9	1.1	0.1	1.1		4.4	2.4	3.2
	7.0	6.4	16.0	25.0	9.5	18.0	104.0	25.0	33.0	9.0	62.0
			1.3				0.3	3.6	0.8	0.1	4.7
				0.4	1.1	4.5	3.9	1.1	4.4	5.8	2.8
	1.8		1.0	1.1	2.9	0.8				0.2	1.4
	17.0	2.8	12.1	34.1	9.1	34.3	9.9	32.0	10.5	42.4	91.9
	0.2	1.5		11.1	23.8	15.3	5.8		12.1	10.3	15.1
		0.1		0.9		0.4		2.8	4.5	1.0	2.9
	1.6	5.1	4.9	48.0	42.0	38.0	24.0	18.0	17.0	14.0	16.0
									0.9	1.1	
								0.3			
				0.4	0.3		0.3	1.2	1.0	1.0	1.7
				18.5	12.0	5.1	9.0	24.0	16.0	15.0	12.0
								0.9		1.9	
							0.2	0.9		1.9	
										2.0	
								1.3			
		0.1									
		0.2		3.0	0.4	1.0	2.0				
	2.1	2.9	2.4	3.1	4.6	2.3	4.3	0.9	0.5	1.0	2.0
		0.8	1.5					1.0	0.2		
		0.2		0.1				0.2	0.4		1.6
			5.0	1.4	5.9	1.0	0.4	0.5	1.8	4.3	2.7
	108.4	69.8	78.3	169.2	130.9	163.3	197.9	214.4	199.4	151.8	321.2

7327	7328	7329	7330	7331	7332	7333	7334	7335	7336	7337	7338
201.0	19.0	27.0	3.0	10.0		20.0		10.5	16.2	24.0	4.1
		4.0	40.0	45.0	80.0						0.4
1.4	3.3	2.4		0.1	0.1		2.1	1.9	7.4	10.4	1.3
25.0	8.6	22.7	10.0	0.9	0.3				3.4	5.2	
1.5	3.0	1.9									
	2.6	0.7					0.8		1.4	0.9	
4.2										9.0	
	1.0	1.9		0.2							
25.0	4.6	5.4	7.3				1.6	8.2		1.9	
			7.2	3.3					0.9		
			1.9	0.5				0.5		3.0	
9.0	8.0	19.0	0.2	0.5	5.0		7.9	9.3	51.0	12.0	1.1
2.6	0.9	8.2	1.7				0.4	1.8	1.9	5.6	0.7
1.1	4.3	2.9		1.6			0.3		3.6		
							2.6				7.0
	0.4	0.9		0.1	0.6		6.4	2.8		1.1	
					2.1	0.5		1.0	1.3	4.7	0.3
3.0	16.0	9.0	36.0				19.0	41.0	58.0	45.0	2.3
19.7	0.8	7.1	22.0	22.0	10.0	13.3		0.9			
1.4	8.4	2.8					22.0	14.0	6.4	4.8	
0.3											
185.5	26.2	33.2		8.6	19.0	12.3	29.7	25.8	0.4	4.1	
5.0		2.8	3.8	1.1			11.6	17.2			
	3.4	2.4							2.6	1.0	0.2
3.9		1.2			1.9		20.0	23.0		17.8	5.1
3.4			2.8	2.8	18.4	19.9					
			0.3								
	2.3	2.5	0.5	0.2					0.2		
	0.2					0.1	0.6	0.7	3.9	2.5	
16.0	13.0	24.0			0.2	4.7	24.0	17.0	32.0	26.0	
					2.4	1.8					
			2.0		8.3	5.3	4.4	2.5	2.5	5.0	0.4
							1.9	0.6	3.4	5.1	
2.4	1.5	1.9			0.2		2.4		0.5	0.5	
											0.1
1.3	2.3			0.1	0.6	1.1	2.2	1.0	1.0	0.5	4.8
							1.7	1.0	2.0	0.8	
0.2	1.0		2.4	0.7	1.7	4.5	0.4	0.9	2.4	1.8	
15.1	3.1	0.3	1.8		16.0				1.1	3.5	3.4
528.0	133.9	184.2	142.9	97.7	166.8	83.5	162.0	181.6	203.5	196.2	31.2

7339	7340	7341	7342	7343
	25.0	8.5	10.2	12.0
	1.1	6.0		0.2
	91.0	3.1	5.3	3.1
		2.1	2.3	1.0
		2.6	11.0	3.1
	23.0	1.8		2.3
		27.5	13.0	8.0
	3.1	5.7	5.3	1.6
		1.9	2.2	
		3.1		
0.4	3.8			
		0.3		0.1
	0.5	5.7	2.8	1.2
0.7	45.0	36.0	9.2	1.5
		7.4		25.0
	1.8	3.5	2.7	
	2.8		1.8	
	17.1	18.5	39.1	37.9
		17.1	24.5	0.8
		1.9	4.9	0.1
	27.0	14.5	7.0	
		2.8	17.2	17.5
		0.3	0.7	
		2.4	2.0	
	4.0	24.0	25.0	12.0
	0.5	3.5		
		0.5		
		0.3		0.2
0.3	1.9	1.3	3.0	2.5
	1.3			0.5
		1.0		2.7
	1.4	4.3	6.0	
1.4	250.3	207.6	195.2	133.3

6. Data on Tuna Longline Fishing

125 baskets (hachi) of tuna long-line were used. Each of 100 baskets was composed of 250 meters long main line which carried 4 branch lines and each of 25 baskets was composed of 300 meters long main line which carried 5 branch lines. The branch lines, each carring one hook at the end, were attached to a main line at intervals of 50 meters. The depth at which hooks were hung were measured with chemical tubes, showing variations from 60 to 150 meters.

A frozen saury was attached to a hook as bait.

Operation of longline was supervised by the captain and deck officers, and all hands of crew and cadets were engaged in operations.

Biological measurement of fish caught was carried out on board by deck officers immediately after the fishing.

Fig. 4 Locations of tuna longline fishing.

Table 5. Data on tuna longline fishing.

No. of fishing		OSL 7301	OSL 7302	OSL 7303	OSL 7304	OSL 7305
No. of station		OS 73161	OS 73162	OS 73163	OS 73164	OS 73165
Date		Dec. 1	2	3	4	5
Position of line set	Lat. (S)	06-42	07-25	06-52	07-00	07-00
	Long. (E)	92-52	92-14	92-52	93-00	92-49
S.M.T.	Line set	0533-0707	0532-0656	0533-0704	0552-0715	0533-0653
	Line haul	1309-1726	1315-1720	1303-1659	1315-1643	1311-1707
Direction of line set		280	280	260	50-60-80	270-280
Number of basket used		125	125	125	125	125
Yellowfin tuna		14	5	6	9	8
Bigeye tuna		4	1	5	-	4
Tuna snapped by shark		-	-	5	4	-
Black marlin		-	-	1	-	-
Sailfish		-	-	-	-	1
Mackerel		1	-	1	-	1
Sharks		2	2	2	1	2
Escolar		-	-	-	1	-
Pacific lancetfish		-	1	-	-	-
Rays		-	-	1	-	-

Table 6 Biological characteristics of fishes caught by tuna longline.

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
L01	YELLOWFIN TUNA	130.4	63.0	350	2.84	F	3		SQ.SF.SQU
		127.6	59.0	320	2.84	F	2		PL.SQ
		123.5	40.0	300	2.12	F	3		SH.SF
		117.0	47.0	225	2.93	F	3		SQ.WA
		147.0	91.0	280	2.86	M	4		SQ.CR
		146.2	90.0	200	2.88	M	3		SQ.SQU
		142.0	88.0	280	3.07	M	3		SQ
		139.2	73.0	100	2.71	M	2		SQ.SF
		138.5	71.0	150	2.67	M	2		SQ.SH
		130.0	65.0	300	2.96	M	4		SQ.SH.SF
		125.2	37.0	150	1.89	M	2		SQ.SH.SQU
		124.4	42.0	100	2.18	M	2		SQ.SQU
		122.0	46.0	120	2.53	M	3		SQ.SH.PL
		117.5	33.0	70	2.03	M	1		SF.CR
	BIGEYE TUNA	123.5	60.0	220	3.19	F	3		SQ
		102.0	32.0	80	3.02	M	2		EMPTY
		94.5	29.0	50	3.44	M	2		EMPTY
		94.0	13.0	50	1.57	M	1		SQ
	MACKEREL	118.0	14.0	50	0.85	M	3		SQ.SF
L02	YELLOWFIN TUNA	127.0	58.0	160	2.83	F	3		SQ.SF.SH
		120.0	55.0	175	3.18	F	3		SH.SF
		137.4	80.0	100	3.08	M	3		SF
		135.9	98.0	140	3.90	M	4		CR
		120.4	32.0	60	1.83	M	3		CR
	BIGEYE TUNA	76.4	15.0	20	3.36	F	1		SQ
L03	YELLOWFIN TUNA	118.6	40.0	200	2.40	F	3		SQ.SF
		146.5	87.0	200	2.77	M	4		SQ.SH
		145.5	83.0	150	2.69	M	3		SQ.SH.SQU
		145.0	97.0	180	3.18	M	4		SQ.SQU.PL.SF
		120.4	47.0	100	2.69	M	3		SQ.SH.SQU.WA
	*	118.0		180		M	3		SQ.SH
	BIGEYE TUNA	127.4	52.0	140	2.51	F	2		REVERSE
		114.0	40.0	115	2.70	M	1		NOT EXAMINE
		106.5	40.0	20	3.31	M	2		FB
		104.0	36.0	100	3.20	M	2		SF
		104.0	35.0	100	3.11	M	2		NOT EXAMINE
	BLACK MARLIN	206.4	200.0	750	2.27	M	2		NOT EXAMINE
	MACKEREL	131.6	22.0	270	0.97	F	3		NOT EXAMINE
L04	YELLOWFIN TUNA	143.0	70.0	700	2.39	F	5		SQ.SQU.SF
		116.0	43.0	60	2.75	F	2		SQ.SF
		152.0	85.0	200	2.42	M	4		SQ
		151.0	88.0	180	2.56	M	3		SH.SF
		148.0	87.0	150	2.68	M	3		SQ.SQU.SF
		143.0	88.0	100	3.01	M	3		NOT EXAMINE
		130.0	43.0	50	1.96	M	3		NOT EXAMINE
		114.0	43.0	90	2.90	M	2		SH.SQU.SF
		112.0	45.0	50	3.20	M	2		NOT EXAMINE
L05	YELLOWFIN TUNA	129.0	62.0	470	2.89	F	4		SQ.SF
		120.0	56.0	280	3.24	F	3		SQ.SQU
		101.7	32.0	150	3.04	F	4		SQ
		145.2	88.0	220	2.87	M	3		NOT EXAMINE
		142.5	77.0	230	2.66	M	4		SQ
		128.4	60.0	220	2.83	M	3		SQ
		126.0	42.0	200	2.10	M	3		SQ.SH.SF
		120.3	47.0	120	2.70	M	3		SQ.SQU.SF
	BIGEYE TUNA	143.8	88.0	370	2.96	F	4		NOT EXAMINE
		124.0	62.0	170	3.25	F	3		NOT EXAMINE
		121.0	51.0	100	2.88	F	2		NOT EXAMINE
		101.0	36.0	100	3.49	F	1		SH
	SAILFISH	210.0	58.0	250	0.63	F	2		SF
	MACKELEL	127.0	20.0	80	0.98	M	2		NOT EXAMINE

* : Snapped by shark

4

THE "HOKUSEI MARU" CRUISE 35 TO THE SEA AREA ADJACENT TO FIJI ISLANDS, THE SOUTHWEST PACIFIC OCEAN, IN OCTOBER-DECEMBER 1971

1. Cruise Itinerary

Departure from Hakodate	Oct. 15, 1971
Arrival at Toba	18
Departure from Toba	20
Arrival at Kobe	21
Departure from Kobe	24
Crossing the equator	Nov. 4
Starting hydrographic cast of the first series (HO 71051)	8
Starting tuna long-line set of the first series (HOL 7101)	10
Finishing hydrographic cast (HO 71060) and tuna long-line set (HOL 7107) of the first series	16
Arrival at Levuka	17
Departure from Levuka	18
Arrival at Suva	18
Departure from Suva	22
Starting hydrographic cast (HO 71061) and tuna long-line set (HOL 7108) of the second series	23
Finishing hydrographic cast (HO 71068) and tuna long-line set (HOL 7115) of the second series	30
Arrival at Espiritu Santo	Dec. 1
Departure from Espiritu Santo	2
Crossing the equator	8
Arrival at Tokyo	19
Departure from Tokyo	22
Return to Hakodate	24

Total caverage 10735.6 miles, 63 days at sea, 8 days in ports

2. Vessel Personnel

Captain:		Associate Professor	Shoji Saito
Crew:	Chief Officer	Instructor	Genji Kobayashi
	Second Officer	Research Associate	Gen Anma
	Third Officer	Research Associate	Seiji Sasaki
	Chief Engineer		Shoji Okubo
	First Engineer		Minoru Fujita
	Second Engineer		Sho Takashimizu
	Radio Operator		Shiro Noguchi
	and 14 men		
Cadets:	13 cadets, Advanced Course in Pelagic Fishery		
Total:	35 persons		

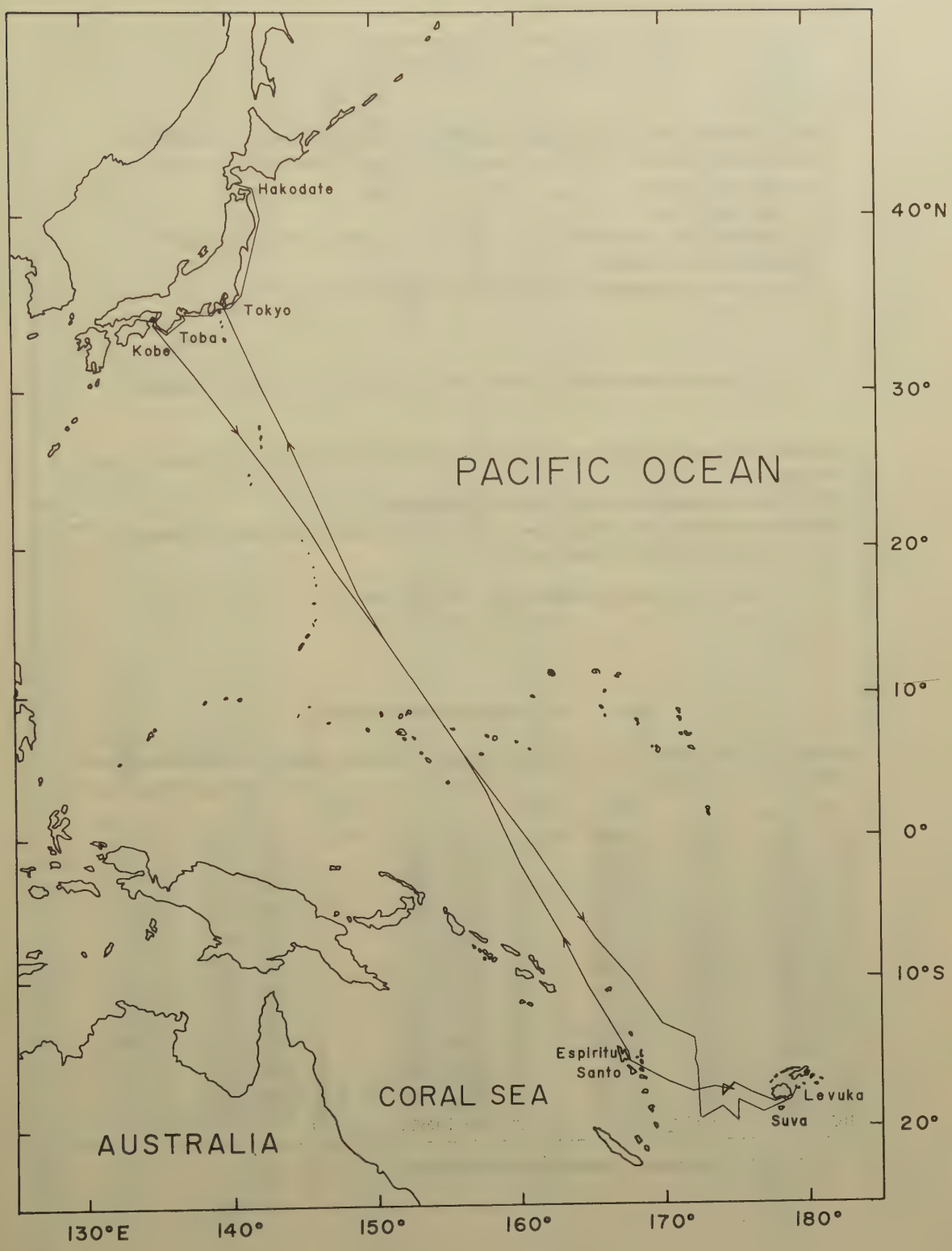


Fig. 1 Track chart

3. Items of Observation

Hydrocast:

At 18 stations, temperature measurement and sampling of water for salinity determination were carried out, covering the depths from the surface down to about 1000 meters.

Tuna long-line fishing:

15 long-line casts were made in the sea area adjacent to Fiji Islands, the Southwest Pacific Ocean.

Measurement of biological characters was carried out on board.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Hokusei Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
HO 71051	14-00S	172-00E	Nov. 8	2345-0052	Nov. 8	1245-1352	A.O.P.
HO 71052	15-00S	172-11E	9	0659-0750	8	1959-2050	A.O.P.
HO 71053	16-00S	172-05E	9	1600-1725	9	0500-0625	A.O.P.
HO 71054	17-16S	171-59E	10	0615-0726	9	1915-2026	A.O.P.
HO 71055	18-28S	172-04E	11	0630-0736	10	1930-2036	A.O.P.
HO 71056	19-36S	172-18E	12	0605-0648	11	1905-1948	A.O.P.
HO 71057	18-39S	173-44E	13	0603-0701	12	1903-2001	A.O.P.
HO 71058	19-48S	174-56E	14	0602-0716	13	1902-2016	A.O.P.
HO 71059	18-22S	174-59E	15	0600-0710	14	1900-2010	A.O.P.
HO 71060	19-02S	176-34E	16	0557-0643	15	1857-1943	A.O.P.
HO 71061	17-47S	175-46E	23	0630-0729	22	1930-2029	A.O.P.
HO 71062	17-17S	174-33E	24	0612-0708	23	1912-2008	A.O.P.
HO 71063	18-12S	173-47E	25	0624-0725	24	1924-2025	A.O.P.
HO 71064	17-12S	173-53E	26	0615-0703	25	1915-2003	A.O.P.
HO 71065	17-47S	174-34E	27	0603-0702	26	1903-2002	A.O.P.
HO 71066	17-29S	173-15E	28	0615-0658	27	1915-1958	A.O.P.
HO 71067	17-41S	171-43E	29	0600-0653	28	1900-1953	A.O.P.
HO 71068	17-09S	170-17E	30	0605-0654	29	1905-1954	A.O.P.

A.O.P. : position by astronomical observation

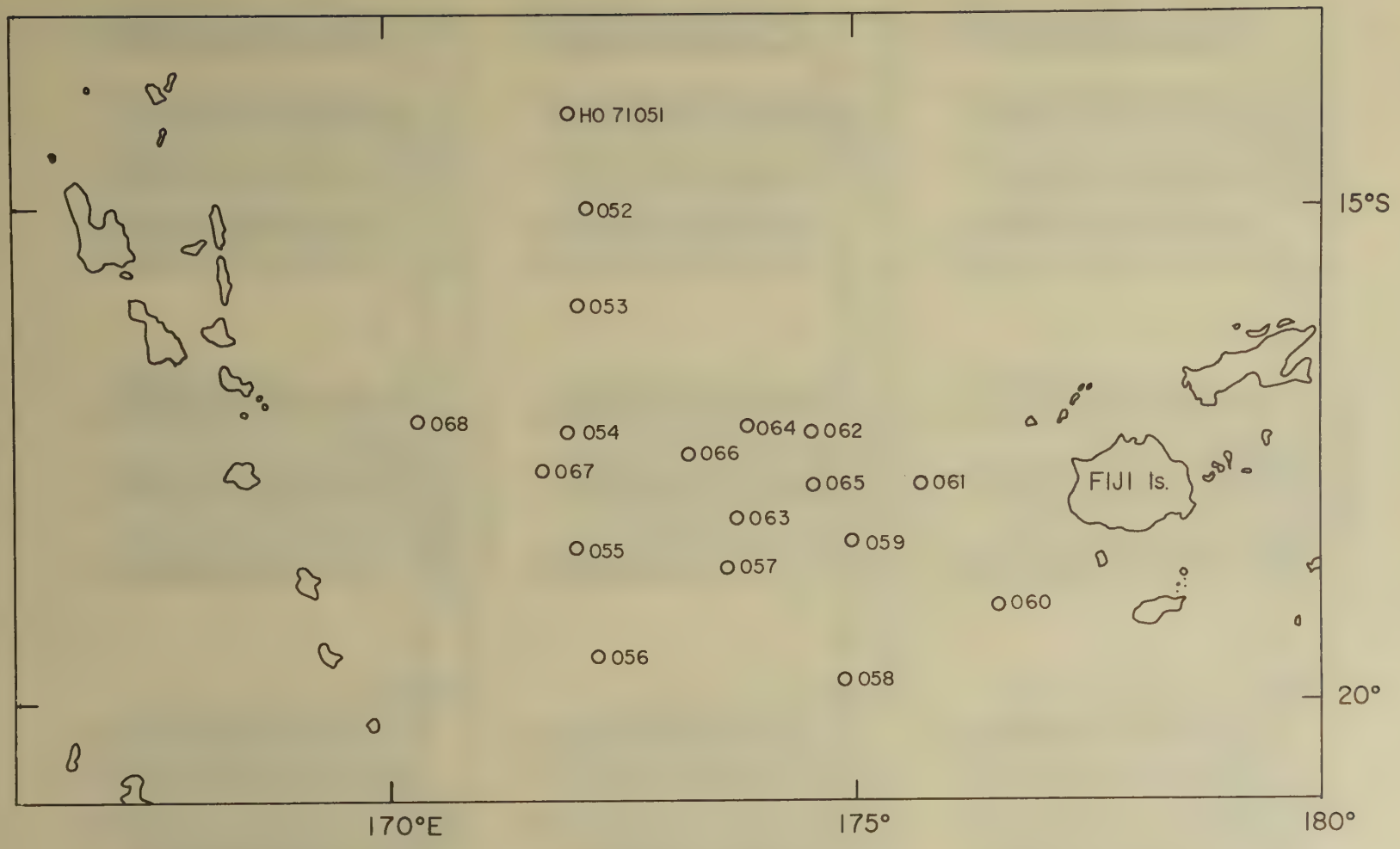


Fig. 2 Oceanographic stations

Table 2 Oceanographic data

STATION HO71051

LATITUDE 14-00 S LONGITUDE 172-00 E DATE 71-11-08 12.8 (GMT) DEPTH
SEA 28 1A SWELL 26 1A WIND 28 01F AIR TEMP. DRY 27.2 WET
BAR.
COL. TR.
WEATHER X1
CALCULATED

OBSERVED				INTERPOLATED							
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	34.78		0	27.80	34.78		22.32	553	552	0.000
10	27.83	34.78		10	27.83	34.78		22.31	554	554	0.055
20	27.84	34.81		20	27.84	34.81		22.33	552	552	0.111
30	27.85	34.84		30	27.85	34.84		22.34	550	551	0.166
50	27.42	34.90		50	27.42	34.90		22.53	532	534	0.274
75	27.69	35.11		75	27.69	35.11		22.60	525	528	0.407
100	27.59	35.13		100	27.59	35.13		22.65	521	525	0.539
125	27.30	35.35		125	27.30	35.35		22.91	496	501	0.667
150	25.50	35.78		150	25.50	35.78		23.80	411	417	0.782
200	22.79	35.94		200	22.79	35.94		24.73	323	330	0.969
300	18.02	35.48		300	18.02	35.48		25.65	234	244	1.257
400	12.25	34.90		400	12.25	34.90		26.48	156	165	1.462
500	7.97	34.55		500	7.97	34.55		26.95	112	120	1.605
600	7.55	34.47		600	7.55	34.47		26.94	112	121	1.727
800	5.18	34.47		800	5.18	34.47		27.26	82	91	1.940
1000	4.16	34.50		1000	4.16	34.50		27.39	69	78	2.110

STATION HO71052

LATITUDE 15-00 S LONGITUDE 172-11 E DATE 71-11-08 20.0 (GMT) DEPTH
SEA 20 3A SWELL 20 1A WIND 20 04F AIR TEMP. DRY 27.8 WET
BAR.
COL. TR.
WEATHER X1
CALCULATED

OBSERVED				INTERPOLATED							
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.70	34.80		0	27.70	34.80		22.36	548	548	0.000
10	27.76	34.78		10	27.76	34.78		22.33	551	551	0.055
20	27.73	34.83		20	27.73	34.83		22.38	547	547	0.110
30	27.70	34.89		30	27.70	34.89		22.43	542	543	0.165
50	27.50	34.91		50	27.50	34.91		22.51	534	536	0.272
74	27.55	35.09		75	27.50	35.08		22.64	522	524	0.405
99	26.22	34.95		100	26.19	34.95		22.96	491	494	0.533
124	25.54	35.23		125	25.52	35.25		23.39	450	454	0.651
148	25.03	35.74		150	24.96	35.76		23.95	397	403	0.759
194	23.20	35.86		200	22.96	35.87		24.63	332	339	0.944
291	18.76	35.57		300	18.23	35.42		25.56	243	253	1.241
388	13.06	34.00		400	12.42	34.07		25.81	220	229	1.483
486	8.70	34.60		500	8.32	34.61		26.94	113	121	1.658
583	6.73	34.50		600	6.53	34.49		27.10	97	105	1.772
777	5.28	34.44		800	5.13	34.44		27.24	84	93	1.971
971	4.19	34.48									

STATION HO71053

LATITUDE 16-00 S LONGITUDE 172-05 E DATE 71-11-09 05.0 (GMT) DEPTH
SEA 18 1A SWELL 18 1A WIND 18 02F AIR TEMP. DRY 27.4 WET
BAR.
COL. TR.
WEATHER X1
CALCULATED

OBSERVED				INTERPOLATED							
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.20	34.60		0	28.20	34.60		22.05	578	578	0.000
10	27.91	34.55		10	27.91	34.55		22.11	573	573	0.058
20	27.82	34.58		20	27.82	34.58		22.16	568	568	0.115
30	27.74	34.62		30	27.74	34.62		22.22	562	563	0.171
50	27.25	34.68		50	27.25	34.68		22.42	543	545	0.282
75	26.71	34.83		75	26.71	34.83		22.70	516	518	0.415
100	26.26	35.04		100	26.26	35.04		23.00	487	491	0.541
121	25.64	35.30		125	25.44	35.32		23.47	442	447	0.659
144	24.40	35.39		150	24.15	35.44		23.95	397	402	0.765
197	22.44	35.80		200	22.31	35.80		24.76	319	327	0.947
296	18.02	35.53		300	17.84	35.51		25.72	228	237	1.230
395	13.70	35.08		400	13.49	35.06		26.36	167	178	1.438
493	10.00	34.71		500	9.80	34.69		26.76	129	139	1.597
592	7.73	34.52		600	7.60	34.51		26.97	109	119	1.727
790	5.36	34.42		800	5.27	34.42		27.20	87	96	1.943
988	4.14	34.46									

STATION HO71054

LATITUDE 17-16 S LONGITUDE 171-59 E DATE 71-11-09 19.3 (GMT) DEPTH COL. TR.
SEA 16 1A SWELL 16 1A WIND 16 02F AIR TEMP. DRY 25.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	34.68		0	26.80	34.68		22.56	529	529	0.000
10	26.88	34.65		10	26.88	34.65		22.51	534	534	0.053
20	26.88	34.68		20	26.88	34.68		22.54	532	532	0.107
30	26.88	34.72		30	26.88	34.72		22.57	529	530	0.160
50	26.43	34.74		50	26.43	34.74		22.72	514	515	0.264
75	25.53	34.98		75	25.53	34.98		23.19	470	472	0.388
100	25.40	35.30		100	25.40	35.30		23.47	443	446	0.503
125	24.13	35.46		125	24.13	35.46		23.97	395	399	0.609
150	22.86	35.55		150	22.86	35.55		24.41	353	358	0.703
200	20.90	35.69		200	20.90	35.69		25.06	290	297	0.867
300	17.73	35.48		300	17.73	35.48		25.72	228	237	1.135
400	13.16	35.10		400	13.16	35.10		26.46	158	168	1.339
500	9.83	34.73		500	9.83	34.73		26.79	126	137	1.492
600	7.52	34.51		600	7.52	34.51		26.98	108	118	1.619
800	5.20	34.43		800	5.20	34.43		27.22	85	94	1.833
1000	4.32	34.45		1000	4.32	34.45		27.34	75	84	2.012

STATION HO71055

LATITUDE 18-28 S LONGITUDE 172-04 E DATE 71-11-10 19.5 (GMT) DEPTH COL. TR.
SEA 06 2A SWELL 10 1A WIND 06 02F AIR TEMP. DRY 25.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	34.79		0	26.80	34.79		22.64	521	521	0.000
10	26.89	34.77		10	26.89	34.77		22.60	525	525	0.052
20	26.89	34.77		20	26.89	34.77		22.60	525	526	0.105
30	26.89	34.77		30	26.89	34.77		22.60	525	526	0.158
49	26.90	34.77		50	26.86	34.77		22.61	524	526	0.263
74	25.82	34.89		75	25.79	34.89		23.04	484	486	0.390
97	25.22	35.02		100	25.11	35.06		23.38	451	455	0.507
121	24.37	35.41		125	24.27	35.47		23.93	398	403	0.615
146	23.78	35.71		150	23.65	35.73		24.32	362	367	0.711
191	22.09	35.72		200	21.73	35.71		24.85	311	318	0.883
285	18.48	35.55		300	18.04	35.53		25.69	231	241	1.162
379	15.75	35.38		400	15.02	35.30		26.22	181	192	1.380
474	12.26	34.98		500	11.26	34.87		26.64	140	152	1.552
568	8.65	34.61		600	8.21	34.55		26.91	115	126	1.691
760	6.00	34.43		800	5.59	34.42		27.16	91	101	1.919
956	4.49	34.44									

STATION HO71056

LATITUDE 19-36 S LONGITUDE 172-18 E DATE 71-11-11 19.1 (GMT) DEPTH COL. TR.
SEA 36 2A SWELL 13 1A WIND 36 02F AIR TEMP. DRY 25.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	25.00	35.02		0	25.00	35.02		23.38	451	451	0.000
10	24.97	35.01		10	24.97	35.01		23.38	451	451	0.045
20	24.91	35.02		20	24.91	35.02		23.40	449	449	0.090
30	24.82	35.04		30	24.82	35.04		23.45	445	445	0.135
50	24.59	35.10		50	24.59	35.10		23.56	434	435	0.223
75	23.35	35.25		75	23.35	35.25		24.04	388	390	0.326
100	22.41	35.36		100	22.41	35.36		24.40	354	358	0.420
125	21.86	35.40		125	21.86	35.40		24.58	336	341	0.508
150	21.43	35.54		150	21.43	35.54		24.81	315	320	0.590
200	20.06	35.64		200	20.06	35.64		25.25	272	279	0.740
300	17.24	35.54		300	17.24	35.54		25.89	212	221	0.991
400	13.68	35.17		400	13.68	35.17		26.40	163	174	1.189
500	9.96	34.76		500	9.96	34.76		26.79	126	137	1.345
600	7.60	34.52		600	7.60	34.52		26.98	109	118	1.473
800	5.64	34.41		800	5.64	34.41		27.15	92	102	1.694
1000	4.31	34.44		1000	4.31	34.44		27.33	75	84	1.881

STATION H071057

LATITUDE 18-39 S LONGITUDE 173-44 E DATE 71-11-12 19.1 (GMT) DEPTH COL. TR.
SEA 28 3A SWELL 28 1A WIND 28 03F AIR TEMP. DRY 25.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED					CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	25.80	34.86		0	25.80	34.86		23.01	486	486	0.000
10	25.89	34.86		10	25.89	34.86		22.98	489	489	0.049
20	25.82	34.87		20	25.82	34.87		23.01	486	487	0.098
30	25.77	34.92		30	25.77	34.92		23.07	481	482	0.146
50	24.35	35.09		50	24.35	35.09		23.63	427	429	0.237
74	23.97	35.46		75	23.93	35.46		24.03	389	391	0.340
97	22.86	35.38		100	22.76	35.39		24.32	361	365	0.435
121	22.07	35.50		125	21.90	35.52		24.66	329	333	0.522
145	21.12	35.59		150	21.01	35.60		24.97	299	304	0.602
174	20.54	35.65		200	19.61	35.65		25.38	260	267	0.745
260	17.45	35.55		300	16.31	35.45		26.04	198	207	0.983
347	14.98	35.30		400	12.80	35.07		26.51	153	164	1.168
433	11.45	34.93		500	9.62	34.72		26.82	124	134	1.317
521	9.15	34.67		600	7.55	34.53		26.99	107	117	1.443
702	6.04	34.44		800	5.07	34.40		27.22	86	95	1.655
895	4.61	34.43									

STATION H071058

LATITUDE 19-48 S LONGITUDE 174-56 E DATE 71-11-13 19.0 (GMT) DEPTH COL. TR.
SEA 29 3A SWELL 29 1A WIND 29 03F AIR TEMP. DRY 25.9 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED					CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.40	34.77		0	26.40	34.77		22.76	511	510	0.000
10	26.35	34.75		10	26.35	34.75		22.76	510	511	0.051
20	26.36	34.74		20	26.36	34.74		22.75	511	512	0.102
29	26.38	34.73		30	26.39	34.73		22.73	513	514	0.154
49	26.33	34.76		50	26.27	34.77		22.80	506	508	0.256
74	24.62	35.16		75	24.56	35.17		23.63	428	430	0.373
90	23.86	35.35		100	23.64	35.44		24.10	382	386	0.476
112	23.38	35.52		125	22.83	35.58		24.44	349	354	0.568
135	22.40	35.62		150	22.10	35.65		24.70	325	330	0.654
176	21.58	35.67		200	20.95	35.67		25.04	293	300	0.811
264	18.86	35.60		300	17.40	35.51		25.83	217	227	1.075
352	15.28	35.30		400	12.26	34.97		26.54	150	160	1.269
405	11.95	34.94		500	9.45	34.66		26.80	125	135	1.417
520	8.92	34.64		600	7.74	34.52		26.96	111	120	1.546
671	6.69	34.46		800	5.37	34.41		27.19	89	98	1.765
865	4.91	34.43									

STATION H071059

LATITUDE 18-22 S LONGITUDE 174-59 E DATE 71-11-14 19.0 (GMT) DEPTH COL. TR.
SEA 35 1A SWELL 23 1A WIND 35 01F AIR TEMP. DRY 25.7 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED					CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.70	34.74		0	26.70	34.74		22.64	522	521	0.000
10	26.72	34.74		10	26.72	34.74		22.63	522	522	0.052
20	26.72	34.78		20	26.72	34.78		22.66	519	520	0.104
30	26.72	34.92		30	26.72	34.92		22.77	509	510	0.156
50	25.76	34.91		50	25.76	34.91		23.06	481	483	0.255
75	24.52	35.17		75	24.52	35.17		23.64	427	429	0.370
100	24.04	35.56		100	24.04	35.56		24.07	385	388	0.472
124	22.80	35.66		125	22.77	35.65		24.52	343	347	0.564
149	22.28	35.51		150	22.25	35.51		24.55	339	344	0.651
195	20.94	35.65		200	20.78	35.65		25.07	290	297	0.811
290	17.71	35.50		300	17.34	35.47		25.81	219	229	1.074
386	14.06	35.20		400	13.49	35.12		26.40	163	174	1.276
482	10.39	34.80		500	9.81	34.85		26.89	117	127	1.427
578	7.71	35.15		600	7.44	35.07		27.43	65	75	1.529
770	5.38	34.47		800	5.13	34.43		27.23	85	94	1.699
961	4.30	34.50									

STATION HO71060

LATITUDE 19-02 S LONGITUDE 176-34 E DATE 71-11-15 19.0 (GMT) DEPTH COL. TR.
SEA 34 3A SWELL 29 1A WIND 34 03F AIR TEMP. DRY 26.6 WET BAR. WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.90	34.82		0	26.90	34.82		22.64	522	522	0.000
10	26.75	34.76		10	26.75	34.76		22.64	522	522	0.052
20	26.70	34.75		20	26.70	34.75		22.65	521	522	0.104
30	26.64	34.74		30	26.64	34.74		22.66	520	521	0.157
49	26.65	34.75		50	26.66	34.75		22.66	520	522	0.261
74	26.52	34.77		75	26.47	34.78		22.74	512	515	0.391
88	25.67	34.95		100	24.95	35.18		23.51	438	442	0.510
110	24.35	35.36		125	23.43	35.48		24.19	373	378	0.613
132	23.06	35.51		150	22.91	35.60		24.44	350	356	0.705
174	22.72	35.69		200	21.65	35.71		24.87	309	316	0.873
262	19.10	35.62		300	17.91	35.58		25.75	225	235	1.149
350	16.35	35.45		400	13.58	35.14		26.40	163	174	1.353
437	11.53	34.91		500	9.97	34.71		26.75	130	140	1.511
528	9.28	34.66		600	7.91	34.54		26.94	112	122	1.642
719	6.21	34.43		800	5.35	34.40		27.18	89	98	1.863
915	4.58	34.43									

STATION HO71061

LATITUDE 17-47 S LONGITUDE 175-46 E DATE 71-11-22 19.5 (GMT) DEPTH COL. TR.
SEA 09 1A SWELL 19 1A WIND 09 02F AIR TEMP. DRY 28.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	34.63		0	27.80	34.63		22.20	563	563	0.000
10	27.29	34.64		10	27.29	34.64		22.38	547	547	0.056
20	27.10	34.66		20	27.10	34.66		22.45	540	540	0.110
30	26.91	34.69		30	26.91	34.69		22.53	532	533	0.164
50	26.20	34.79		50	26.20	34.79		22.83	503	505	0.268
75	25.23	35.04		75	25.23	35.04		23.32	456	459	0.388
100	24.56	35.36		100	24.56	35.36		23.77	414	418	0.498
125	23.54	35.00		125	23.54	35.00		23.80	411	416	0.602
150	22.73	35.62		150	22.73	35.62		24.50	344	349	0.698
194	22.02	35.77		200	21.76	35.77		24.89	307	315	0.864
292	17.80	35.53		300	17.54	35.51		25.79	221	231	1.137
389	14.71	35.26		400	14.24	35.21		26.32	171	182	1.344
486	10.57	34.83		500	10.12	34.78		26.78	127	138	1.505
584	7.96	34.55		600	7.66	34.53		26.97	109	119	1.634
778	5.46	34.42		800	5.28	34.41		27.20	88	97	1.850
973	4.57	34.43									

STATION HO71062

LATITUDE 17-17 S LONGITUDE 174-33 E DATE 71-11-23 19.2 (GMT) DEPTH COL. TR.
SEA 03 1A SWELL 05 1A WIND 03 01F AIR TEMP. DRY 27.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	34.66		0	28.10	34.66		22.13	571	570	0.000
10	27.55	34.75		10	27.55	34.75		22.37	547	547	0.056
20	27.37	34.75		20	27.37	34.75		22.43	541	542	0.110
30	27.18	34.75		30	27.18	34.75		22.49	536	537	0.164
50	26.72	34.77		50	26.72	34.77		22.66	520	522	0.270
75	26.04	34.83		75	26.04	34.83		22.91	495	498	0.398
100	25.07	35.08		100	25.07	35.08		23.40	449	453	0.517
125	24.13	35.26		125	24.13	35.26		23.82	409	413	0.625
150	23.46	35.45		150	23.46	35.45		24.16	376	382	0.725
200	21.31	35.87		200	21.31	35.87		25.09	288	295	0.894
300	17.68	35.87		300	17.68	35.87		26.03	198	208	1.146
400	13.04	35.36		400	13.04	35.36		26.68	137	147	1.324
500	9.81	34.71		500	9.81	34.71		26.78	128	138	1.467
600	7.09	34.83		600	7.09	34.83		27.29	79	88	1.581
800	5.26	34.44		800	5.26	34.44		27.22	85	94	1.764
1000	4.11	34.45		1000	4.11	34.45		27.36	72	81	1.941

STATION HO71063

LATITUDE 18-12 S LONGITUDE 173-47 E DATE 71-11-24 19.4 (GMT) DEPTH COL. TR.
SEA 11 2A SWELL 04 1A WIND 11 02F AIR TEMP. DRY 27.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.40	34.88		0	27.40	34.88		22.52	533	533	0.000
10	26.52	34.98		10	26.52	34.98		22.88	499	499	0.052
20	26.00	35.00		20	26.00	35.00		23.05	482	482	0.101
30	25.26	35.03		30	25.26	35.03		23.31	458	459	0.148
50	24.91	35.06		50	24.91	35.06		23.43	446	447	0.239
75	23.74	35.23		75	23.74	35.23		23.91	400	403	0.345
99	23.08	35.31		100	23.07	35.32		24.17	375	379	0.443
123	22.74	35.50		125	22.67	35.51		24.43	350	355	0.535
148	21.78	35.57		150	21.73	35.57		24.75	321	326	0.620
197	20.79	35.60		200	20.69	35.60		25.05	291	298	0.776
292	17.13	35.49		300	16.87	35.47		25.92	209	218	1.035
387	14.09	35.21		400	13.61	35.16		26.41	163	173	1.231
482	10.62	34.82		500	10.01	34.76		26.78	127	138	1.387
577	7.73	34.53		600	7.45	34.49		26.98	109	118	1.515
772	5.33	34.40		800	5.09	34.40		27.21	87	96	1.730
970	4.20	34.44									

STATION HO71064

LATITUDE 17-12 S LONGITUDE 173-53 E DATE 71-11-25 19.3 (GMT) DEPTH COL. TR.
SEA 08 2A SWELL 11 1A WIND 08 03F AIR TEMP. DRY 28.1 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.30	34.65		0	28.30	34.65		22.05	578	577	0.000
10	27.92	34.66		10	27.92	34.66		22.19	565	565	0.057
20	27.50	34.67		20	27.50	34.67		22.33	551	552	0.113
30	27.20	34.69		30	27.20	34.69		22.44	541	541	0.168
50	26.70	34.71		50	26.70	34.71		22.62	524	526	0.275
75	25.90	34.89		75	25.90	34.89		23.00	487	490	0.402
100	24.71	35.26		100	24.71	35.26		23.65	425	429	0.517
124	24.26	35.63		125	24.26	35.63		24.06	386	391	0.619
149	22.72	35.70		150	22.72	35.70		24.56	338	343	0.711
200	21.23	35.72		200	21.23	35.72		25.00	297	304	0.873
300	17.44	35.47		300	17.44	35.47		25.79	222	231	1.141
400	13.11	35.02		400	13.11	35.02		26.40	163	173	1.344
500	9.51	34.67		500	9.51	34.67		26.80	126	136	1.499
600	7.22	34.47		600	7.22	34.47		26.99	107	116	1.625
800	5.10	34.41		800	5.10	34.41		27.22	86	95	1.837
1000	4.07	34.46		1000	4.07	34.46		27.37	71	80	2.013

STATION HO71065

LATITUDE 17-47 S LONGITUDE 174-34 E DATE 71-11-26 19.1 (GMT) DEPTH COL. TR.
SEA 09 3A SWELL 07 1A WIND 09 03F AIR TEMP. DRY 28.3 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.30	34.72		0	28.30	34.72		22.11	573	572	0.000
10	27.87	34.70		10	27.87	34.70		22.23	561	561	0.057
20	27.45	34.70		20	27.45	34.70		22.37	548	548	0.112
29	27.09	34.71		30	27.06	34.71		22.50	535	536	0.166
49	26.48	34.75		50	26.45	34.76		22.73	513	515	0.272
73	25.73	35.01		75	25.64	35.04		23.20	468	471	0.395
96	24.60	35.32		100	24.42	35.36		23.81	410	414	0.506
120	23.57	35.50		125	23.37	35.53		24.25	368	373	0.604
144	22.68	35.61		150	22.50	35.63		24.57	337	343	0.694
193	21.28	35.68		200	21.06	35.68		25.01	295	302	0.855
284	18.07	35.53		300	17.35	35.42		25.77	223	233	1.123
376	13.94	35.08		400	13.12	35.29		26.61	144	154	1.317
467	11.13	35.86		500	10.18	35.77		27.54	55	66	1.428
561	8.63	35.61		600	8.09	35.55		27.71	39	50	1.487
753	5.98	35.42		800	5.52	35.40		27.95	16	27	1.565
952	4.52	35.44									

STATION H071066

LATITUDE 17-29 S LONGITUDE 173-15 E DATE 71-11-27 19.3 (GMT) DEPTH COL. TR.
SEA 06 3A SWELL 06 1A WIND 06 03F AIR TEMP. DRY 27.8 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED					CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	34.67		0	28.10	34.67		22.14	570	570	0.000
10	28.10	34.66		10	28.10	34.66		22.13	571	571	0.057
20	27.50	34.73		20	27.50	34.73		22.38	547	547	0.113
29	26.63	34.81		30	26.59	34.81		22.73	513	514	0.166
49	26.30	34.86		50	26.27	34.86		22.87	500	502	0.268
73	25.37	35.03		75	25.29	35.07		23.32	456	459	0.388
97	24.42	35.45		100	24.28	35.46		23.92	399	403	0.496
121	23.31	35.44		125	23.12	35.45		24.26	367	371	0.593
145	22.25	35.54		150	22.14	35.56		24.62	333	338	0.681
187	21.50	35.63		200	21.04	35.63		24.99	298	305	0.842
278	18.26	35.55		300	17.57	35.51		25.79	221	231	1.111
370	15.38	35.33		400	14.09	35.19		26.34	169	180	1.317
461	11.46	34.90		500	9.96	34.75		26.78	127	137	1.477
555	8.15	34.56		600	7.52	34.38		26.88	118	127	1.610
746	5.47	34.02		800	5.00	34.04		26.94	112	121	1.858
937	4.36	34.44									

STATION H071067

LATITUDE 17-41 S LONGITUDE 171-43 E DATE 71-11-28 19.0 (GMT) DEPTH COL. TR.
SEA 04 1A SWELL 06 1A WIND 04 02F AIR TEMP. DRY 27.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED					CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.90	34.89		0	27.90	34.89		22.37	548	548	0.000
10	27.91	34.88		10	27.91	34.88		22.36	549	549	0.055
20	27.05	34.88		20	27.05	34.88		22.63	522	523	0.109
30	26.81	34.89		30	26.81	34.89		22.72	514	515	0.160
50	26.59	34.90		50	26.59	34.90		22.79	507	509	0.263
75	26.24	34.92		75	26.24	34.92		22.92	495	498	0.389
99	24.97	35.03		100	24.94	35.05		23.41	448	451	0.508
123	24.35	35.43		125	24.27	35.45		23.92	399	404	0.615
148	23.28	35.59		150	23.22	35.60		24.34	359	364	0.711
200	21.82	35.74		200	21.82	35.74		24.85	311	318	0.882
300	17.47	35.55		300	17.47	35.55		25.84	217	226	1.154
400	14.48	35.51		400	14.48	35.51		26.50	154	166	1.351
500	12.06	35.06		500	12.06	35.06		26.64	140	153	1.510
598	9.36	34.79		600	9.31	34.79		26.92	114	126	1.650
796	5.35	34.41									

STATION H071068

LATITUDE 17-09 S LONGITUDE 170-17 E DATE 71-11-29 19.1 (GMT) DEPTH COL. TR.
SEA 11 2A SWELL 05 1A WIND 11 02F AIR TEMP. DRY 27.9 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED					CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.60	34.71		0	28.60	34.71		22.00	583	582	0.000
10	28.69	34.98		10	28.69	34.98		22.17	566	566	0.058
20	28.28	34.88		20	28.28	34.88		22.23	560	561	0.114
30	27.88	34.74		30	27.88	34.74		22.26	558	559	0.170
50	27.15	34.73		50	27.15	34.73		22.49	536	538	0.280
75	25.69	34.97		75	25.69	34.97		23.13	475	478	0.407
99	24.64	35.16		100	24.61	35.17		23.61	429	433	0.521
124	23.95	35.37		125	23.92	35.38		23.98	394	399	0.625
149	23.27	35.70		150	23.24	35.71		24.42	352	357	0.719
190	21.95	35.75		200	21.62	35.75		24.91	305	312	0.887
285	18.35	35.55		300	17.57	35.48		25.76	224	234	1.161
380	13.41	35.07		400	12.61	34.99		26.48	156	166	1.361
475	10.05	34.72		500	9.27	34.65		26.82	124	133	1.511
570	7.43	34.49		600	7.13	34.46		27.00	107	116	1.636
763	5.50	34.42		800	5.20	34.42		27.21	86	95	1.849
960	4.20	34.44									

5. Data on Tuna Longline Fishing

65 baskets of tuna long-line and 60-69 baskets of vertical tuna long-line were used. Each basket contained 6 main lines with 5 branch lines. Each branch line carried a hook at the terminal end. Both ends of main lines were suspended by 2 float lines connected to the bouys. The float lines were used variable length which were 69m, 92m and 115m.

Refrigerated sauries were used as baits.

Operation of long-line was supervised by the captain and deck officers, and all hands of crew and cadets were engaged in operations.

Measurement of biological characters was carried out on board by deck officers with assistance of crew and cadets immediately after the fishing.

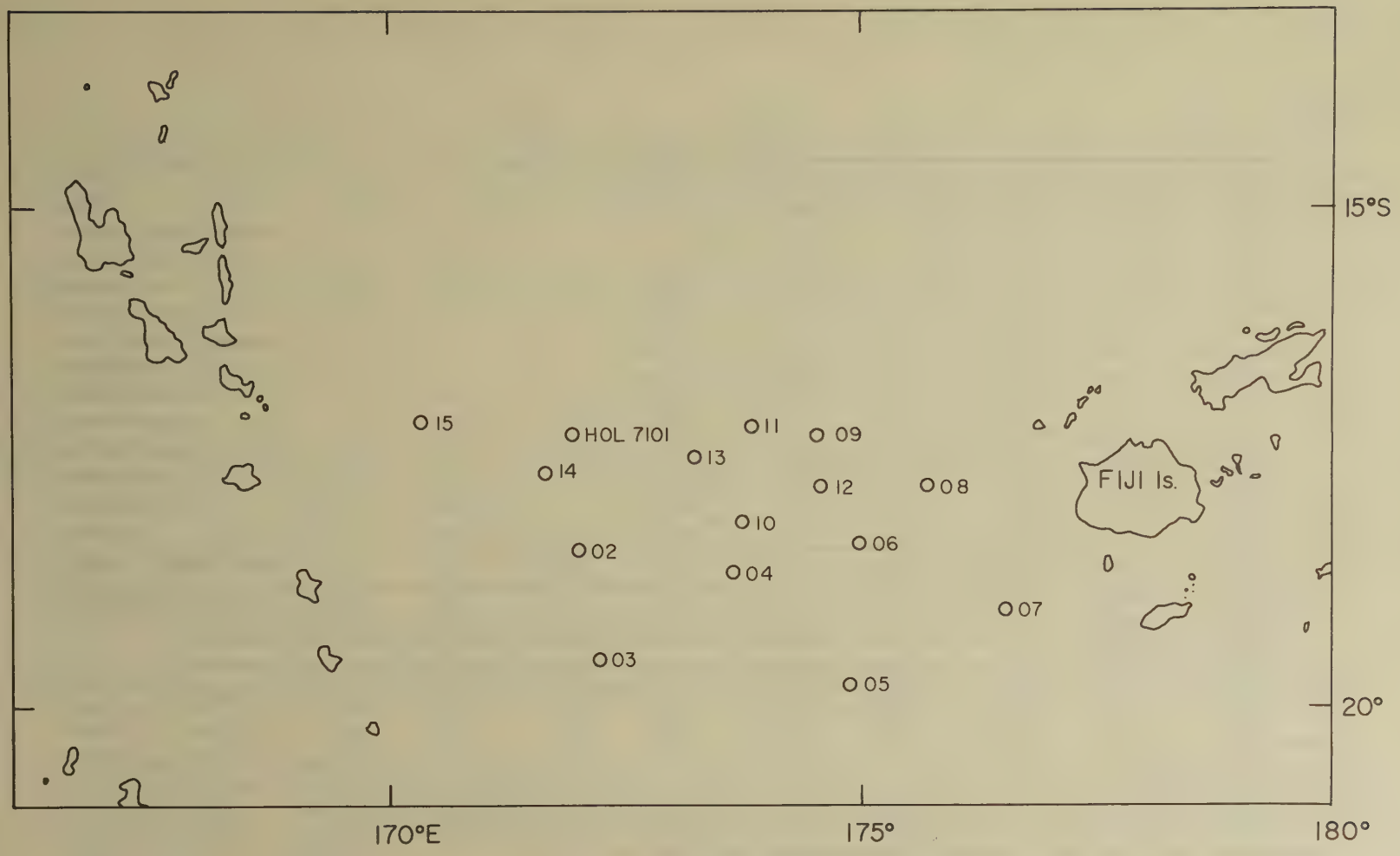


Fig. 3 Locations of tuna longline fishing

Table 3 Data on tuna longline fishing

No. of fishing		HOL 7101	HOL 7102	HOL 7103	HOL 7104	HOL 7105	HOL 7106	HOL 7107	HOL 7108	HOL 7109
No. of station		HO 71054	HO 71055	HO 71056	HO 71057	HO 71058	HO 71059	HO 71060	HO 71061	HO 71062
Date		Nov. 10	11	12	13	14	15	16	23	24
Position of line set	Lat. (S)	17-16	18-28	19-36	18-39	19-48	18-22	19-02	17-47	17-17
	Long. (E)	171-59	172-04	172-18	173-44	174-56	174-59	176-34	175-46	174-33
S.M.T.	Line set	0341-0545	0358-0603	0338-0538	0339-0542	0338-0541	0338-0541	0337-0533	0345-0613	0342-0544
	Line haul	1034-1916	1031-1849	1025-1810	1027-1755	1025-1807	1032-1813	1027-1818	1025-1835	1024-1808
Derection of line set		230	180	160	0	0	0	20	140	40
Number of basket used		125	125	125	125	125	125	125	134	133
Albacore		7	11	12	18	12	19	8	10	24
Yellowfin tuna		12	19	-	7	-	-	11	2	3
Bigeye tuna		1	2	-	1	2	-	1	4	1
Striped marlin		-	1	2	-	1	-	-	-	-
Black marlin		-	-	-	-	1	-	-	-	-
Pacific black marlin		-	-	-	-	-	-	-	-	-
Swordfish		-	-	-	-	-	1	-	-	-
Tuna snaped by shark		-	1	-	1	-	-	3	1	-
Skipjack tuna		-	-	-	-	-	-	-	1	-
Shortfin mako		-	1	-	-	-	-	2	-	-
Blue shark		2	1	-	1	-	3	3	3	2
Oceanic whitetip shark		-	3	2	-	-	-	-	1	-
Wahoo		2	-	-	1	2	-	-	-	1
Opah		3	-	-	-	1	1	1	-	-

HOL 7110	HOL 7111	HOL 7112	HOL 7113	HOL 7114	HOL 7115
HO 71063	HO 71064	HO 71065	HO 71066	HO 71067	HO 71068
25	26	27	28	29	30
18-12 173-47	17-12 173-53	17-47 174-34	17-29 173-15	17-41 171-44	17-09 170-17
0352-0559 1023-1826	0347-0558 1025-1813	0332-0543 1023-1841	0340-0549 1027-1810	0339-0543 1026-1825	0342-0547 1023-1755
180	0	180	160	160	210
133	132	131	130	130	130
14	14	15	10	23	19
17	13	3	13	6	7
3	-	8	5	1	8
-	1	-	-	1	-
-	-	-	-	1	-
-	-	1	-	-	-
-	-	-	-	-	2
2	1	2	-	1	1
-	-	-	-	-	-
-	-	1	-	2	1
2	3	2	-	-	3
-	1	1	-	-	-
2	1	-	-	-	-
-	-	3	1	1	-

Table 4 Biological characteristics of fishes caught by tuna longline

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
L01	ALBACORE	90.0	15.2	180	2.09	F	1	10.26	SF,SQ,FB
		105.0	25.0	270	2.16	M	-	99.44	SF,SH,PL,FB
		100.5	22.5	140	2.22	M	1	5.04	SH,FB
		99.0	21.0	135	2.16	M	2	57.46	SF,SQ,SH, FB
		97.0	19.0	200	2.08	M	4	34.91	SF,SQ,SH,SW,S(B)
		93.0	17.4	180	2.16	M	3	12.75	SF
		91.0	16.0	100	2.12	M	3	2.62	FB
	YELLOWFIN TUNA	105.0	18.4	45	1.59	F	-		S(B)
		104.0	19.6	40	1.74	F	-		SQ,S(B)
		104.0	17.0	45	1.51	F	1		SF
		98.5	16.0	25	1.67	F	-	0.0	EMPTY
		107.0	22.4	10	1.83	M	-		SF
		105.0	21.8	60	1.88	M	1		S(B)
		103.0	18.6	85	1.70	M	1		SQ,S(B)
		103.0	17.5	5	1.60	M	-		SF
		99.0	15.4	75	1.59	M	1		S(B)
		96.0	19.0	10	2.15	M	-		SQ,SF
		84.0	10.0	5	1.69	M	-	0.0	EMPTY
		83.0	9.2	5	1.61	M	-	0.0	EMPTY
	BIGEYE TUNA	82.0	12.0	6	2.18	M	-		SQ
L02	ALBACORE	98.0	20.8	640	2.21	F	4	31.91	SF,SQ,SH,PL,S(B)
		97.5	20.2	194	2.18	F	3	38.24	SF,SQ, FB
		92.0	17.0	170	2.18	F	3		REVERSED
		90.5	15.6	120	2.10	F	2	6.60	SH,S(B)
		107.8	25.3	170	2.02	M	2	40.43	SF,SQ, FB
		104.5	23.9	120	2.09	M	2	61.48	SF,SQ,SH
		102.0	23.0	170	2.17	M	2	3.40	SQ,S(B),FB
		101.0	21.4	275	2.08	M	3	82.10	SF,SQ,SH, FB
		100.0	21.2	178	2.12	M	3	42.26	SF,SQ,SH,PL
		99.0	19.8	120	2.04	M	2	23.84	SQ,S(B),FB
		90.6	14.8	34	1.99	M	1		NOT EXAMINE
	YELLOWFIN TUNA	128.0	34.0	102	1.62	F	1		SQ,S(B)
		123.5	31.5	120	1.67	F	1		SQ
		123.0	28.0	85	1.50	F	1		SQ,S(B)
		121.0	28.0	90	1.58	F	1		SQ
		114.0	25.6	20	1.73	F	-		SF,SQ
		110.0	23.0	60	1.73	F	1		SQ
		110.0	21.6	33	1.62	F	-		SQ,S(B)
		108.0	20.4	42	1.62	F	-		SQ,S(B)
		107.0	18.8	13	1.53	F	-		SQ,M,S(B)
		104.0	18.0	55	1.60	F	1		SQ,F,S(B)
		64.0	23.5	80	8.96	F	1		SF,SQ,S(B)
		115.0	24.0	28	1.58	M	-		SF,SQ,S(B)
		111.0	22.2	5	1.62	M	-		SQ,S(B)
		110.5	23.4	5	1.73	M	-		SF,SQ,S(B)
		110.0	21.6	10	1.62	M	-		SQ
		109.0	21.0	12	1.62	M	-		SQ,S(B)
		105.0	17.6	25	1.52	M	-		SF,SQ
		103.0	17.0	25	1.56	M	-		SQ,S(B)
		102.5	16.8	5	1.56	M	1		S(B)
	BIGEYE TUNA	78.0	10.4	5	2.19	M	-	0.0	EMPTY
		75.0	14.0	38	3.32	M	1		SF,S(B)
	STRIPED MARLIN	176.5	53.9	52	0.98	M	-		NOT EXAMINE
L03	ALBACORE	96.8	21.0	335	2.32	F	3	13.86	FB
		95.9	21.6	415	2.45	F	3	26.29	SF,SQ,PL
		86.0	13.2	50	2.08	F	1	11.27	SF,SQ,PL,FB
		121.0	25.2	220	1.42	M	2		REVERSED
		107.7	25.5	100	2.04	M	3	10.57	SF,SQ,SH,S(B),FB
		103.5	23.8	95	2.15	M	2	12.90	SF,SQ,S(B),FB
		102.0	23.0	77	2.17	M	2		REVERSED
		101.8	24.7	315	2.34	M	3	9.72	SF,SQ, FB
		101.4	22.5	90	2.16	M	2	45.69	SF,SQ,PL, S(B)
		101.3	23.4	130	2.25	M	2	2.12	FB
		100.8	23.8	187	2.32	M	3	59.93	SF,SQ,PL, S(B)
		100.0	21.7	140	2.17	M	3	33.60	SF,SQ,SH,S(B),FB
	STRIPED MARLIN	191.0	76.6	4700	1.10	F	4		S(B)
		183.0	63.1	39	1.03	M	1		SQ,PL,S(B)
L04	ALBACORE	95.5	20.0	200	2.30	F	3	1.82	DM
		94.5	18.3	458	2.17	F	4	33.33	SF,SQ,SH, S(B)
		106.8	25.0	160	2.05	M	3	7.11	DM

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		101.2	21.9	66	2.11	M	2	5.90	DM
		100.0	20.4	133	2.04	M	2		REVERSED
		98.2	22.0	139	2.32	M	3	20.77	SQ,FB
		97.2	18.0	88	1.96	M	3	3.16	SQ,SH, S(B)
		97.1	20.4	130	2.23	M	3	50.96	SF,SQ
		97.0	21.6	119	2.37	M	2	1.90	DM
		97.0	19.0	115	2.08	M	2		REVERSED
		95.1	19.0	162	2.21	M	3	12.40	SQ
		94.5	18.2	215	2.16	M	4	98.81	SF,SQ,SH,PL
		93.9	18.2	125	2.20	M	3	19.77	SF,SQ,PL,S(B)
		93.7	19.3	91	2.35	M	3	24.88	SF,SQ,SH,FB
		93.5	19.1	94	2.34	M	3	34.03	SF,SQ, FB
		92.3	17.7	153	2.25	M	3	2.82	[illegible]
		91.0	17.0	79	2.26	M	2	15.37	SQ,SA
		84.8	12.6	10	2.07	M	1	32.93	SF,SQ,FB
	YELLOWFIN TUNA	122.5	40.0	160	2.18	F	1		SF,SQ
		110.8	24.0	27	1.76	F	1		SQ,S(B)
		109.5	22.0	43	1.68	F	1	0.0	EMPTY
		107.5	22.6	39	1.82	F	1		S(B)
		107.0	22.2	46	1.81	F	1		S(B)
		109.0	22.2	5	1.71	M	-		SF
		105.6	22.4	12	1.90	M	-		S(B)
	BIGEYE TUNA	87.5	15.2	33	2.27	F	1		SF,PL
L05	ALBACORE	106.0	22.2	530	1.86	F	4		REVERSED
		93.5	18.0	325	2.20	F	3	13.57	SF,SQ,SH, S(B),FB
		91.5	15.5	140	2.02	F	3	48.13	SF,SQ, S(B),FB
		110.8	24.9	98	1.83	M	3	15.04	SF,SQ,SH,S(B),FB
		106.8	26.8	130	2.20	M	3	23.17	SF,SQ, S(B),FB
		104.0	23.3	170	2.07	M	3	76.52	SF,SQ, S(B),FB
		103.0	22.8	115	2.09	M	2	5.20	SF,FB
		101.0	20.0	110	1.94	M	2		REVERSED
		99.0	21.8	120	2.25	M	2	34.57	SF,SQ,SH, FB
		98.5	22.2	125	2.32	M	3	60.02	SF,SQ
		95.2	17.0	120	1.97	M	3		REVERSED
		94.0	18.0	120	2.17	M	3		REVERSED
	BIGEYE TUNA	79.0	11.0	20	2.23	F	1		SF,SQ,S(B)
		85.0	13.0	30	2.12	M	1		SF,SQ,S(B)
	STRIPED MARLIN	182.0	62.0	145	1.03	M	1		S(B)
	BLUE MARLIN	201.5	111.3	350	1.36	F	1		S(B)
L06	ALBACORE	105.0	24.8	435	2.14	F	4	3.92	SF, FB
		98.0	20.6	450	2.19	F	4		REVERSED
		94.3	18.0	225	2.15	F	4	5.09	SF,SQ
		91.0	15.0	230	1.99	F	3	7.24	SF,SQ,S(B),FB
		109.5	25.6	155	1.95	M	3	13.00	SF, FB
		107.5	24.5	175	1.97	M	4		REVERSED
		104.9	24.4	175	2.11	M	3	13.00	SF,SQ,SH,FB
		101.2	20.6	150	1.99	M	3		REVERSED
		100.3	21.0	155	2.08	M	3	25.11	SF,SH,PL
		99.5	19.6	105	1.99	M	2		REVERSED
		99.0	19.5	130	2.01	M	2		REVERSED
		98.5	23.0	195	2.41	M	4	50.37	SF,SQ,SH,PL,S(B)
		98.5	21.0	145	2.20	M	3		REVERSED
		98.0	22.0	76	2.34	M	2		REVERSED
		98.0	21.4	91	2.27	M	3	57.41	SF,SQ,SH,PL
		97.5	21.3	165	2.30	M	3	37.15	SF,SQ, FB
		96.0	19.6	150	2.22	M	2	8.41	SF,SQ,SH,FB
		96.0	18.0	97	2.03	M	3	20.37	SF,SQ,SH,PL
		93.3	16.7	110	2.06	M	2	31.93	SF,SQ,SH, FB
	SWORD FISH	180.0	141.6	6100	2.43	F	4		S(B)
L07	ALBACORE	100.4	22.7	350	2.24	F	3	10.31	SF,SQ
		82.5	15.5	330	2.76	F	4	17.24	SF,SQ,SH,FB
		105.2	23.3	245	2.00	M	3	3.55	SF, S(B)
		102.1	22.5	160	2.11	M	2	10.06	SF,SQ,S(B),FB
		101.4	21.5	140	2.06	M	2	43.44	SF,SQ,SH,PL,S(B)
		98.7	22.0	280	2.29	M	4		REVERSED
		97.3	21.3	410	2.31	M	4	30.44	SF,SQ,S(B),FB
		96.4	21.0	175	2.34	M	2		REVERSED
	YELLOWFIN TUNA	103.3	19.0	30	1.72	F	1		SF,SQ
		101.0	19.0	12	1.84	F	1		SF,S(B)
		99.5	16.3	68	1.65	F	1		S(B)

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		84.0	10.0	22	1.69	F	-		SQ.S(B)
		83.5	10.2	15	1.75	F	-		SQ.S(B)
		81.2	9.5	25	1.77	F	1	0.0	EMPTY
		111.3	22.6	17	1.64	M	-		SF.SQ.S(B)
		106.8	22.5	5	1.85	M	-		SF.S(B)
		101.5	18.0	5	1.72	M	-		S(B)
		87.0	10.2	3	1.55	M	-		SF
		81.2	9.6	3	1.79	M	-		SF
	BIGEYE TUNA	87.4	15.4	39	2.31	F	1		SF
L08	ALBACORE	102.0	16.4	370	1.55	F	3	2.12	S(B).FB
		97.0	19.6	330	2.15	F	3	10.38	SF.SQ.FB
		95.7	13.7	63	1.56	F	2	0.97	SH.FB
		94.7	17.6	360	2.07	F	3	37.87	SF.SQ.SH.PL
		94.5	17.5	237	2.07	F	3	0.15	DM
		91.5	16.6	260	2.17	F	3	30.64	SF.SQ.SH.PL.S(B)
		106.0	24.4	218	2.05	M	2		REVERSED
		104.5	22.6	160	1.98	M	3	11.02	SF.SQ. S(B)
		92.0	16.2	145	2.08	M	2	1.70	DM
		90.0	15.0	51	2.06	M	2	2.75	SF.FB
	YELLOWFIN TUNA	110.5	21.6	46	1.60	F	1		SQ
		106.8	21.8	32	1.79	M	2		SF
	BIGEYE TUNA	76.0	9.4	10	2.14	F	-		SF
		82.0	13.2	3	2.39	M	-		SF
		78.5	11.4	5	2.36	M	-		SQ.SH.S(B)
		74.8	9.6	5	2.29	M	-		SF
L09	ALBACORE	102.5	17.3	206	1.61	F	3		REVERSED
		99.0	22.2	311	2.29	F	3	15.01	SF.SQ.SH.FB
		97.0	16.3	253	1.79	F	3	38.68	SF.SQ.SH.FB
		95.5	17.5	229	2.01	F	3	5.99	SF.SH.FB
		92.5	17.1	160	2.16	F	2	31.27	SF.SQ. S(B).FB
		91.5	15.8	186	2.06	F	3	4.26	SF.SQ.SH.FB
		89.0	11.0	150	1.56	F	3	4.18	SH. FB
		88.5	15.0	130	2.16	F	2	1.82	SH.S(B)
		88.0	15.4	125	2.26	F	3	15.00	SF.SQ.FB
		86.5	14.4	145	2.22	F	2	0.25	DM
		111.0	26.8	165	1.96	M	2		REVERSED
		103.0	22.0	218	2.01	M	3	16.83	SF.SQ.SH. FB
		104.5	26.6	272	2.33	M	4	9.80	SF.SQ.SH. FB
		102.0	16.8	160	1.58	M	3	6.04	SH. FB
		101.0	23.8	121	2.31	M	3	53.46	SF.SQ.SH
		101.0	23.0	135	2.23	M	2	44.02	SF
		99.5	13.6	67	1.38	M	1		REVERSED
		99.0	21.0	120	2.16	M	2	70.10	SF.SQ. S(B)
		98.0	13.8	121	1.47	M	3		REVERSED
		97.5	19.5	170	2.10	M	3	13.77	SF.SQ. S(B)
		94.0	17.1	125	2.06	M	2	9.48	SF.SQ.SH.S(B)
		93.5	15.2	96	1.86	M	2	34.07	SF.SQ.SH.PL.FB
		92.0	17.2	161	2.21	M	3	5.54	SH.PL.S(B).FB
		87.0	15.2	130	2.31	M	3	8.70	SF.SQ.SH.S(B).FB
	YELLOWFIN TUNA	120.5	30.7	38	1.75	M	1		S(B)
		100.0	12.0	5	1.20	M	-		SF.SQ
		99.5	12.2	3	1.24	M	-		SQ.S(B)
	BIGEYE TUNA	132.5	49.5	130	2.13	M	3		REVERSED
L10	ALBACORE	101.0	24.6	490	2.39	F	4	1.98	DM
		96.5	19.5	220	2.17	F	3	7.15	SF.SQ.FB
		96.0	18.2	360	2.06	F	4	21.48	SF.SQ.S(B).FB
		94.5	20.0	240	2.37	F	3	12.64	SF.SQ.S(B).FB
		92.0	17.6	105	2.26	F	2	16.35	SF.SQ.SH. S(B)
		114.0	26.0	190	1.75	M	3	78.78	SF.SQ
		106.0	26.4	165	2.22	M	3	5.00	FB
		104.0	24.5	225	2.18	M	4	27.68	SF.SQ.SH.S(B)
		103.5	24.0	130	2.16	M	2	92.83	SF.SQ. S(B).FB
		103.0	22.0	160	2.01	M	3	2.31	DM
		102.0	24.0	180	2.26	M	3	1.75	SF.FB
		99.0	20.5	110	2.11	M	3		REVERSED
		97.0	19.0	130	2.08	M	2	44.42	SF.SQ.S(B).FB
		96.0	18.2	150	2.06	M	3	16.41	SF.SQ. S(B)
	YELLOWFIN TUNA	123.0	33.0	120	1.77	F	1		SQ.S(B)
		117.5	29.6	110	1.82	F	2		SQ.S(B)
		117.0	22.0	50	1.37	F	1		SQ

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		112.0	25.0	45	1.78	F	1		SQ
		110.0	23.0	50	1.73	F	1		SQ,S(B)
		110.0	21.5	60	1.62	F	-	0.0	EMPTY
		99.0	17.2	43	1.77	F	1		SQ
		131.0	39.5	85	1.76	M	3		SQ
		119.0	29.0	45	1.72	M	1		SQ,S(B)
		119.0	27.5	45	1.63	M	2		SQ,S(B)
		117.0	22.1	10	1.38	M	-		SQ,S(B)
		116.0	26.0	15	1.67	M	-		SQ,S(B)
		110.0	22.4	17	1.68	M	-		SF
		107.5	21.5	25	1.73	M	-	0.0	EMPTY
		107.0	20.4	10	1.67	M	-		S(B)
		102.5	17.0	10	1.58	M	-		SQ
		91.0	11.5	8	1.53	M	-	0.0	EMPTY
	BIGEYE TUNA	158.0	76.0	370	1.93	F	2		REVERSED
		81.0	12.0	12	2.26	F	-		SQ,S(B)
		71.0	8.8	10	2.46	F	-	0.0	EMPTY
L11	ALBACORE	97.2	20.8	245	2.26	F	3		REVERSED
		95.5	27.4	81	3.15	F	2		REVERSED
		92.7	16.1	136	2.02	F	3	3.08	SF,FB
		90.5	17.0	110	2.29	F	3	36.07	SF,SQ,SH,PL,S(B)
		87.5	14.2	99	2.12	F	2	6.59	SF,SQ,FB
		106.5	24.1	111	2.00	M	2		REVERSED
		104.1	23.4	94	2.07	M	2		REVERSED
		101.0	21.8	122	2.12	M	4	1.10	SF
		99.5	21.2	165	2.15	M	3	11.08	SF,SQ,SH,PL,S(B)
		97.4	19.0	182	2.06	M	3	0.53	SH,S(B)
		97.0	18.6	121	2.04	M	3	2.37	S(B),FB
		93.6	16.8	95	2.05	M	2	10.37	SF,SH, FB
		93.5	16.3	107	1.99	M	3	27.20	SF,SQ,SH,FB
		93.2	17.6	120	2.17	M	3		REVERSED
	YELLOWFIN TUNA	112.4	22.5	37	1.58	F	-		SF,SQ,SH
		110.0	20.0	41	1.50	F	-		SF,SQ,S(B)
		109.5	21.7	45	1.65	F	-		SF
		109.5	21.2	37	1.61	F	1		SF
		108.4	20.8	44	1.63	F	-		SF,SQ,S(B)
		116.7	27.5	43	1.73	M	1		SQ,S(B)
		114.5	28.0	29	1.87	M	-		SF,SQ
		110.0	21.6	7	1.62	M	-		SF,S(B)
		109.0	22.5	13	1.74	M	-		PL,S(B)
		106.5	20.5	12	1.70	M	-		SF
		105.6	19.0	3	1.61	M	-		S(B)
		103.5	16.0	5	1.44	M	-		S(B)
		98.0	15.6	5	1.66	M	-		S(B)
	STRIPED MARLIN	194.0	83.5	120	1.14	M	2		SF
L12	ALBACORE	93.5	18.0	318	2.20	F	-	14.79	SF,SQ,SH,PL,S(B)
		91.5	15.5	361	2.02	F	-	60.12	SF,SQ,SH,PL,S(B)
		104.5	23.2	280	2.03	M	-	5.85	[illegible]
		103.0	24.0	142	2.20	M	-		REVERSED
		101.7	22.6	185	2.15	M	-		REVERSED
		99.8	22.0	135	2.21	M	-	17.44	SF,SQ,SH, S(B)
		96.6	19.8	196	2.20	M	-		REVERSED
		96.3	17.4	67	1.95	M	-	10.23	SF,SQ,SH
		96.0	18.4	135	2.08	M	-	13.69	SF,SQ, FB
		95.8	18.5	140	2.10	M	-	5.70	FB
		95.5	18.6	147	2.14	M	-	7.26	SF,SQ,SH,FB
		94.5	18.5	130	2.19	M	-	6.60	FB
		94.2	18.6	102	2.23	M	-	18.02	SF,SQ,SH,PL,S(B)
		93.0	17.4	103	2.16	M	-	12.79	SF,SQ,SH,S(B),FB
		91.5	16.9	100	2.21	M	-	3.28	SH, S(B),FB
	YELLOWFIN TUNA	132.7	35.4	188	1.51	F	1		S(B)
		105.9	20.0	25	1.68	F	-		SF,SQ
		103.5	18.0	55	1.62	F	1		SQ,S(B)
	BIGEYE TUNA	136.0	49.0	214	1.95	F	1		SF,SQ
		92.5	18.0	48	2.27	F	1		SF,SQ,S(B)
		91.5	11.8	24	1.54	F	-		S(B)
		130.4	49.0	101	2.21	M	4		SH,PL,S(B)
		106.4	27.2	13	2.26	M	-		SF,S(B)
		100.2	22.2	27	2.21	M	1		SF,SH,PL,S(B)
		80.4	11.5	3	2.21	M	-		SQ,S(B)

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		77.5	11.0	5	2.36	M	-		SF,SQ,SH,PL
	BLACK MARLIN	184.0	75.0	56	1.20	M	-		S(B)
L13	ALBACORE	94.0	19.0	140	2.29	F	3		REVERSED
		90.0	16.8	220	2.30	F	3		REVERSED
		106.0	24.0	140	2.02	M	3	21.28	SF,SQ,SH, S(B)
		100.5	22.0	80	2.17	M	2		REVERSED
		95.0	19.0	125	2.22	M	3	13.37	SF,SQ,SH, FB
		93.5	18.0	96	2.20	M	3		REVERSED
		93.0	18.0	120	2.24	M	3	11.25	SQ,SH,FB
		93.0	17.0	69	2.11	M	3	27.70	SF,SQ,SH,S(B),FB
		92.5	17.5	157	2.21	M	3	5.54	SF,SH,FB
		92.5	16.0	95	2.02	M	2	16.23	SF,SH, FB
	YELLOWFIN TUNA	110.5	23.2	65	1.72	F	1		SF,SQ,S(B)
		110.0	22.4	30	1.68	F	1		SF,SH,S(B)
		108.0	24.0	50	1.91	F	1		SQ,S(B)
		108.0	21.5	50	1.71	F	1		S(B)
		103.0	18.2	35	1.67	F	1	0.0	EMPTY
		114.9	26.0	20	1.71	M	-		SF,S(B)
		114.0	23.8	15	1.61	M	-	0.0	EMPTY
		113.0	23.8	13	1.65	M	-		SQ
		111.1	22.4	11	1.63	M	-		SF, S(B)
		109.0	21.9	30	1.69	M	-	0.0	EMPTY
		109.0	20.0	7	1.54	M	-		SF,SQ,SH
		107.3	20.5	10	1.66	M	-		SF
		103.0	17.0	7	1.56	M	-		SQ
	BIGEYE TUNA	109.9	30.0	95	2.26	F	1		SF,S(B)
		96.0	19.5	63	2.20	F	1		SF,SQ
		150.4	64.5	175	1.90	M	4		REVERSED
		89.0	15.0	11	2.13	M	-		SF,S(B)
		80.0	12.8	5	2.50	M	-		SF,SH,PL
L14	ALBACORE	99.2	21.7	555	2.22	F	4	7.98	SF,SH,S(B),FB
		93.0	18.0	321	2.24	F	4	15.36	SF,SQ,S(B),FB
		90.8	17.5	260	2.34	F	3	3.47	SF
		89.2	17.0	240	2.40	F	3	16.68	SF,SQ,SH,S(B),FB
		102.0	22.9	247	2.16	M	3	10.95	SF,SQ,S(B),FB
		101.8	22.6	185	2.14	M	4	33.46	SF,SQ,S(B),FB
		101.4	23.0	160	2.21	M	2		REVERSED
		100.3	21.6	174	2.14	M	2	8.85	SF, S(B),FB
		99.5	21.2	156	2.15	M	3	3.44	SQ
		99.2	21.7	135	2.22	M	2		REVERSED
		99.0	22.3	184	2.30	M	3		REVERSED
		99.0	21.5	206	2.22	M	4		REVERSED
		98.4	21.3	205	2.24	M	4	0.88	SH
		98.3	20.0	166	2.11	M	4	8.33	SF,SQ,S(B),FB
		98.0	21.0	102	2.23	M	2	17.20	SF,SQ,SH, S(B)
		97.6	21.1	185	2.27	M	3	13.98	SQ
		96.9	19.5	78	2.14	M	3	8.63	SQ,SH,S(B),FB
		93.2	17.8	146	2.20	M	3	16.44	SF,SH,PL,FB
		92.7	16.7	94	2.10	M	3	12.68	SF, S(B),FB
		91.8	17.0	210	2.20	M	3	12.05	SF,SH, S(B),FB
		91.3	16.9	69	2.22	M	2	11.19	SF,SQ,SH
		90.4	15.7	140	2.13	M	3	2.71	
		89.0	15.4	86	2.18	M	2	2.60	SF,SH,S(B),FB
	YELLOWFIN TUNA	110.0	23.0	45	1.73	F	1		SF
		106.0	18.9	55	1.59	F	1		S(B)
		105.8	21.3	32	1.80	F	1		SF,SQ
		105.5	20.5	60	1.75	F	1		SF,SQ
		163.2	74.5	371	1.76	M	4		SF,SQ,SH,S(B)
		106.5	19.8	9	1.64	M	-		SQ,S(B)
	BIGEYE TUNA	76.7	9.3	5	2.06	M	-		SF,SQ
	STRIPED MARLIN	159.0	46.6	38	1.16	M	1		SF
	BLUE MARLIN	167.9	60.7	350	1.28	M	4		SQ,PL,S(B)
L15	ALBACORE	94.8	17.0	355	2.00	F	-	12.74	SF,SQ,SH,S(B),FB
		91.5	16.6	200	2.17	F	-	1.68	SF,SQ,S(B),FB
		90.8	16.0	355	2.14	F	-	17.65	SF,SH,FB
		89.8	16.0	170	2.21	F	-	8.33	SF,SQ,FB
		89.5	15.6	135	2.18	F	-	1.72	SH, FB
		89.0	16.0	140	2.27	F	-	4.55	SH
		85.8	14.8	155	2.34	F	-	26.44	SF,SQ,S(B)
		101.0	20.8	107	2.02	M	-	30.88	SF,SQ,SH,PL,S(B)

BIOLOGICAL CHARACTERISTICS OF FISHES CAUGHT BY TUNA LONG-LINE

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		101.0	16.7	95	1.62	M	-	8.71	SF,SH,FB
		97.2	18.2	110	1.98	M	-	12.04	SF,SQ,S(B),FB
		96.0	19.4	120	2.19	M	-		REVERSED
		94.8	18.0	90	2.11	M	-	18.78	SF,SQ,SH,PL,S(B)
		94.4	17.2	105	2.04	M	-	15.51	SF,SQ,FB
		92.3	16.5	87	2.10	M	-	14.42	SF,SQ,SH,PL,S(B)
		91.5	15.8	70	2.06	M	-	21.90	SF,SQ,SH,S(B),FB
		91.5	11.6	120	1.51	M	-	2.96	SH,FB
		91.4	17.4	130	2.28	M	-	17.27	SF,SQ,SH,PL,S(B)
		90.0	15.5	155	2.13	M	-	14.77	SF,SQ,SH,PL,FB
		89.5	15.1	64	2.11	M	-		REVERSED
	YELLOWFIN TUNA	109.0	20.2	34	1.56	F	1		SQ,PL
		106.3	19.2	57	1.60	F	1		SF,PL,SW,S(B)
		106.0	20.0	25	1.68	F	1		S(B)
		102.2	18.0	36	1.69	F	1		SF,S(B)
		99.0	16.4	53	1.69	M	-	0.0	EMPTY
		83.0	9.9	5	1.73	M	-		S(B)
		82.0	9.4	21	1.70	M	-		SF
	BIGEYE TUNA	86.0	13.5	28	2.12	F	-		SF,SQ
		80.6	12.4	36	2.37	F	1		SQ
		80.0	11.7	5	2.29	M	-	0.0	EMPTY
		77.0	10.8	10	2.37	M	-		SQ
		77.0	10.3	3	2.26	M	-	0.0	EMPTY
		77.0	10.0	6	2.19	M	-		SQ,S(B)
		74.4	9.2	5	2.23	M	-		S(B)
		64.5	5.8	1	2.16	M	-		SF,S(B)
	SWORDFISH	154.0	93.8	5900	2.57	F	5		SQ,S(B)

5

THE "HOKUSEI MARU" CRUISE 40 TO THE SEA AREA ADJACENT TO FIJI ISLANDS, THE SOUTHWEST PACIFIC OCEAN, IN OCTOBER-DECEMBER 1973

1. Cruise Itinerary

Departure from Hakodate	Oct.	11, 1973
Arrival at Shimizu		14
Departure from Shimizu		17
Crossing the equator		29
Starting hydrographic cast of the first series (HO 73056)	Nov.	2
Starting tuna long-line set of the first series (HOL 7301)		4
Finishing tuna long-line set of the first series (HOL 7306)		9
Finishing hydrographic cast of the first series (HO 73068)		10
Arrival at Suva		11
Departure from Suva		15
Starting hydrographic cast of the second series (HO 73069)		15
Starting tuna long-line set of the second series (HOL 7307)		16
Finishing hydrographic cast (HO 73088) and tuna long-line set (HOL 7315) of the second series		24
Arrival at Noumea		26
Departure from Noumea	Dec.	1
Crossing the equator		8
Arrival at Tokyo		19
Departure from Tokyo		22
Return to Hakodate		24

Total caverage 10952.3 miles, 64 days at sea, 11 days in ports

2. Vessel Personnel

Captain:		Associate Professor	Shoichi Yamamoto
Crew:	Chief Officer	Instructor	Kiyohiko Ishii
	Second Officer	Research Associate	Kunisaburo Yoneta
	Third Officer	Research Associate	Seiji Sasaki
	Chief Engineer		Shoji Okubo
	First Engineer		Minoru Fujita
	Second Engineer		Sho Takashimizu
	Radio Operator		Shiro Noguchi
	and 14 men		
Cadets:	10 cadets, Advanced Course in Pelagic Fishery		
Total:	32 persons		

Fig. 1 Track chart

3. Items of Observation

Hydrocast:

At 33 stations, temperature measurement and sampling of water for salinity determination were carried out, covering the depths from the surface down to about 1000 meters.

Tuna long-line fishing:

15 long-line casts were made in the sea area adjacent to Fiji Islands, the Southwest Pacific Ocean.

Measurement of biological characters was carried out on board.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Hokusei Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
HO 73056	13-00S	170-30E	Nov. 2	1950-2142	Nov. 2	0850-1042	A.O.P.
HO 73057	13-59S	170-22E	3	0416-0543	2	1716-1843	A.O.P.
HO 73058	15-00S	170-30E	3	1258-1531	3	0158-0431	A.O.P.
HO 73059	15-51S	170-28E	3	2112-2217	3	1012-1117	D.R.P.
HO 73060	16-26S	170-06E	4	0623-0847	3	1923-2147	A.O.P.
HO 73061	16-49S	171-10E	5	0623-0752	4	1923-2052	A.O.P.
HO 73062	16-41S	172-13E	6	0605-0730	5	1905-2030	A.O.P.
HO 73063	16-41S	173-13E	7	0545-0712	6	1845-2012	A.O.P.
HO 73064	16-55S	174-00E	7	2205-2328	7	1105-1228	D.R.P.
HO 73065	16-45S	174-33E	8	0615-0730	7	1915-2030	A.O.P.
HO 73066	18-01S	175-24E	9	0553-0710	8	1853-2010	A.O.P.
HO 73067	17-00S	175-30E	10	0040-0143	9	1340-1443	D.R.P.
HO 73068	18-00S	176-30E	10	1150-1258	10	0050-0158	
HO 73069	19-00S	177-28E	15	1747-1942	15	0547-0742	Radar
HO 73070	19-00S	176-45E	15	2307-0020	15	1207-1320	D.R.P.
HO 73071	19-20S	176-18E	16	0600-0705	15	1900-2005	A.O.P.
HO 73072	19-03S	175-32E	16	2200-2300	16	1100-1200	D.R.P.
HO 73073	19-11S	174-44E	17	0540-0700	16	1840-2000	A.O.P.
HO 73074	18-27S	174-35E	17	2230-2325	17	1130-1225	D.R.P.
HO 73075	18-06S	174-09E	18	0552-0705	17	1852-2005	D.R.P.
HO 73076	18-34S	173-49E	18	2230-2326	18	1130-1226	D.R.P.
HO 73077	18-57S	173-14E	19	0550-0715	18	1850-2015	D.R.P.
HO 73078	18-26S	173-05E	19	2206-2253	19	1106-1153	D.R.P.
HO 73079	17-33S	172-28E	20	0552-0712	19	1852-2012	
HO 73080	18-21S	172-18E	20	2229-2320	20	1129-1220	D.R.P.
HO 73081	18-36S	171-54E	21	0545-0717	20	1845-2017	
HO 73082	18-22S	171-44E	21	2108-2259	21	1008-1159	D.R.P.
HO 73083	17-45S	171-13E	22	0550-0809	21	1850-2109	
HO 73084	17-58S	170-50E	22	2305-0008	22	1205-1308	D.R.P.
HO 73085	17-55S	170-27E	23	0543-0722	22	1843-2022	A.O.P.
HO 73086	18-30S	170-48E	23	2113-2201	23	1013-1101	D.R.P.
HO 73087	19-04S	170-57E	24	0543-0700	23	1843-2000	
HO 73038	19-00S	170-25E	24	2145-2245	24	1045-1145	Radar

D.R.P. : position by dead reckoning

A.O.P. : position by astronomical observation

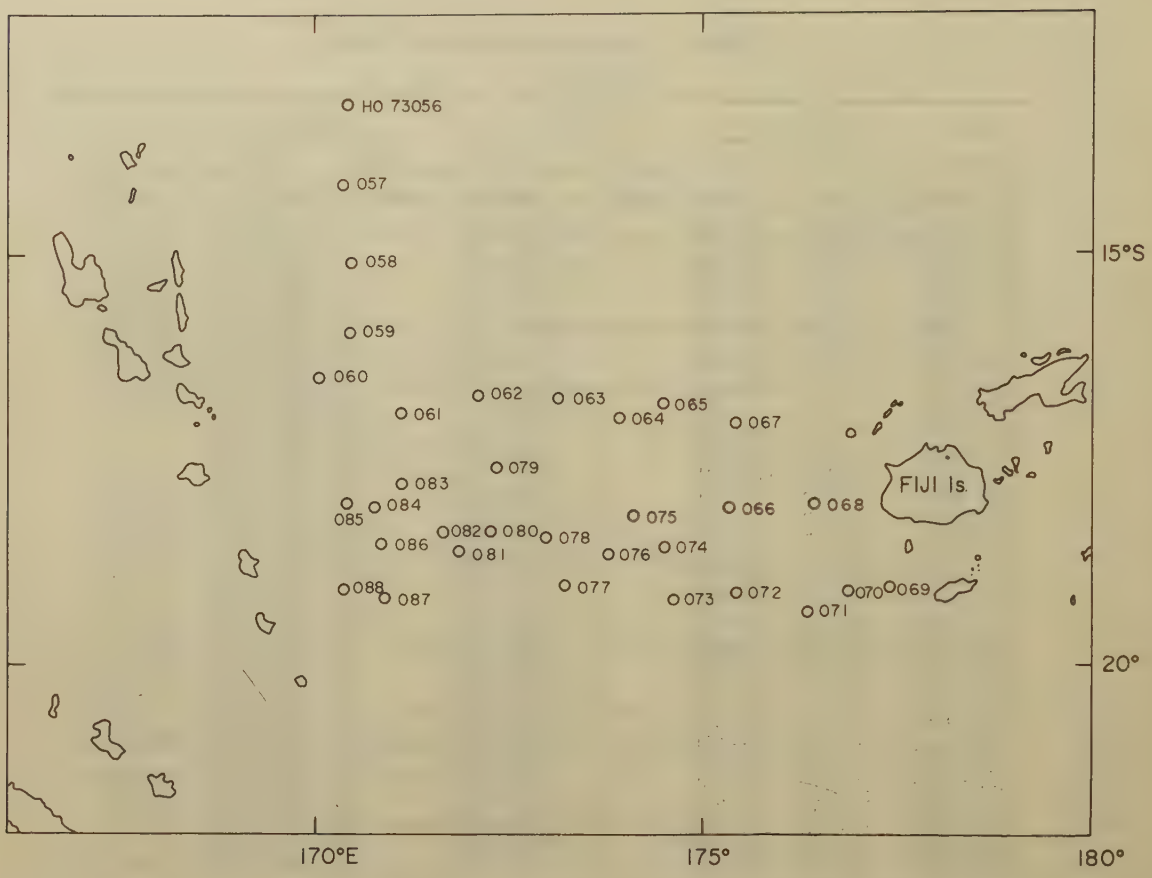


Fig. 2 Oceanographic stations

Table 2 Oceanographic data

STATION H073056

LATITUDE 13-00 S LONGITUDE 170-30 E DATE 73-11-02 08.8 (GMT) DEPTH COL. TR.

SEA 12 2A SWELL 12 1A WIND 12 03F AIR TEMP. DRY 27.0 WET BAR. 05.4 WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.80	34.59		0	27.80	34.59		22.17	566	566	0.000
9	27.82	34.57		10	27.81	34.57		22.15	568	568	0.057
19	27.74	34.57		20	27.74	34.57		22.18	566	567	0.114
28	27.69	34.57		30	27.65	34.62		22.25	559	560	0.170
47	27.19	35.20		50	27.11	35.26		22.90	497	498	0.276
71	26.60	35.54		75	26.57	35.57		23.30	458	461	0.396
94	26.33	35.68		100	26.11	35.73		23.57	433	437	0.508
118	25.32	35.89		125	25.02	35.95		24.07	385	389	0.612
141	24.33	36.06		150	24.00	36.08		24.48	346	352	0.704
188	22.47	36.02		200	21.73	35.94		25.03	294	301	0.868
243	19.08	35.63		250	18.77	35.60		25.55	244	252	1.006
291	17.06	35.41		300	16.59	35.36		25.90	211	220	1.125
388	11.87	34.85		400	11.26	34.79		26.58	146	155	1.312
485	7.76	34.50		500	7.41	34.49		26.98	108	116	1.448
582	6.18	34.50		600	6.00	34.48		27.17	91	98	1.556
680	5.39	34.42		700	5.23	34.42		27.21	87	95	1.653
777	4.68	34.43		800	4.53	34.44		27.30	78	86	1.744
891	4.04	34.47									

STATION H073057

LATITUDE 13-59 S LONGITUDE 170-22 E DATE 73-11-02 17.3 (GMT) DEPTH COL. 01 TR. 26

SEA 13 2A SWELL 13 1A WIND 13 03F AIR TEMP. DRY 26.2 WET BAR. 04.3 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.60	34.74		0	27.60	34.74		22.35	549	549	0.000
10	27.53	34.73		10	27.53	34.73		22.37	548	548	0.055
20	27.34	34.79		20	27.34	34.79		22.47	538	538	0.109
30	27.27	34.83		30	27.27	34.83		22.52	533	534	0.163
50	27.03	35.08		50	27.03	35.08		22.79	507	509	0.267
75	26.39	35.53		75	26.39	35.53		23.33	456	458	0.388
100	26.06	35.73		100	26.06	35.73		23.59	431	435	0.500
125	24.98	35.81		125	24.98	35.81		23.98	394	398	0.604
150	23.75	35.93		150	23.75	35.93		24.44	350	356	0.699
200	21.06	35.79		200	21.06	35.79		25.10	287	294	0.861
250	19.48	35.62		250	19.48	35.62		25.39	259	268	1.002
300	16.83	35.33		300	16.83	35.33		25.83	218	227	1.126
400	11.13	34.85		400	11.13	34.85		26.65	139	148	1.315
500	7.48	34.48		500	7.48	34.48		26.96	110	118	1.448
600	5.94	34.39		600	5.94	34.39		27.10	97	105	1.560
700	5.15	34.44		700	5.15	34.44		27.24	84	92	1.659
800	4.62	34.43		800	4.62	34.43		27.29	79	87	1.749
1000	3.70	34.48		1000	3.70	34.48		27.43	66	74	1.911

STATION H073058

LATITUDE 15-00 S LONGITUDE 170-30 E DATE 73-11-03 02.0 (GMT) DEPTH COL. 02 TR. 28

SEA 15 3A SWELL 13 3A WIND 15 04F AIR TEMP. DRY 27.2 WET BAR. 04.5 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.30	34.71		0	28.30	34.71		22.10	573	573	0.000
9	27.61	34.75		10	27.58	34.75		22.36	548	548	0.056
19	27.46	34.76		20	27.45	34.77		22.42	543	543	0.111
28	27.38	34.87		30	27.34	34.92		22.57	528	529	0.164
47	26.94	35.38		50	26.86	35.41		23.10	478	480	0.265
71	26.23	35.53		75	26.12	35.56		23.44	445	448	0.381
95	25.55	35.70		100	25.39	35.72		23.79	412	416	0.490
118	24.82	35.77		125	24.60	35.78		24.07	385	390	0.590
142	24.05	35.79		150	23.83	35.81		24.32	361	366	0.685
190	22.47	35.86		200	21.94	35.84		24.89	307	314	0.855
231	20.22	35.74		250	19.36	35.63		25.43	256	264	1.000
283	18.00	35.44		300	17.31	35.38		25.75	225	235	1.125
316	16.65	35.32		400	12.60	34.91		26.42	162	172	1.329
426	11.35	34.80		500	8.97	34.76		26.96	111	120	1.475
509	8.73	34.76		600	6.65	34.47		27.07	100	108	1.590
610	6.47	34.44		700	5.37	34.36		27.15	93	101	1.695
768	5.11	34.43									

STATION H073059

LATITUDE 15-51 S LONGITUDE 170-28 E DATE 73-11-03 10.2 (GMT) DEPTH COL. TR.
SEA 11 4A SWELL 10 3A WIND 11 05F AIR TEMP. DRY 26.4 WET BAR. 08.2 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.50	34.80		0	27.50	34.80		22.43	542	542	0.000
9	27.43	34.79		10	27.45	34.78		22.43	542	542	0.054
18	27.47	34.79		20	27.34	34.91		22.56	529	529	0.108
28	26.73	35.44		30	26.67	35.48		23.21	467	468	0.158
46	26.51	35.50		50	26.48	35.51		23.29	460	461	0.251
69	26.40	35.55		75	26.40	35.55		23.34	455	458	0.366
93	26.33	35.56		100	26.20	35.62		23.45	444	448	0.479
116	25.77	35.76		125	25.43	35.82		23.85	407	411	0.587
139	24.87	35.88		150	24.46	35.90		24.21	372	378	0.685
186	23.22	35.90		200	22.83	35.90		24.68	327	334	0.864
227	21.99	35.87		250	20.73	35.76		25.16	281	290	1.020
290	18.54	35.51		300	18.11	35.46		25.62	238	248	1.154
378	14.79	35.12		400	13.55	34.99		26.29	174	184	1.371
450	10.72	34.74		500	9.23	34.73		26.89	117	126	1.527
527	8.42	34.74		600	6.76	34.47		27.06	101	110	1.645
606	6.65	34.45		700	5.42	34.34		27.12	95	103	1.752
775	5.11	34.43									

STATION H073060

LATITUDE 16-26 S LONGITUDE 170-06 E DATE 73-11-03 19.4 (GMT) DEPTH COL. 02 TR. 25
SEA 11 3A SWELL 12 1A WIND 11 04F AIR TEMP. DRY 26.7 WET BAR. 08.2 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.20	35.08		0	27.20	35.08		22.74	513	512	0.000
10	27.09	35.09		10	27.09	35.09		22.78	508	509	0.051
19	27.11	35.09		20	27.11	35.09		22.77	509	510	0.102
29	27.10	35.09		30	27.10	35.09		22.78	508	509	0.153
48	26.98	35.16		50	26.96	35.15		22.87	500	502	0.254
72	26.58	35.15		75	26.51	35.20		23.05	483	485	0.378
96	25.98	35.63		100	25.88	35.68		23.60	430	434	0.493
120	25.29	35.82		125	25.10	35.84		23.97	395	400	0.597
144	24.30	35.89		150	24.02	35.90		24.34	359	365	0.693
192	22.28	35.93		200	22.13	35.93		24.91	305	312	0.862
232	21.53	35.90		250	20.64	35.80		25.22	275	284	1.012
278	19.25	35.61		300	18.16	35.48		25.62	238	247	1.145
372	14.68	35.10		400	13.42	34.97		26.30	173	183	1.361
465	10.51	34.72		500	9.63	34.62		26.74	131	141	1.524
559	8.15	34.52		600	7.23	34.52		27.03	104	113	1.651
653	6.26	34.53		700	5.76	34.47		27.19	89	97	1.757
749	5.41	34.41		800	5.04	34.38		27.20	87	96	1.854
942	4.29	34.45									

STATION H073061

LATITUDE 16-49 S LONGITUDE 171-10 E DATE 73-11-04 19.4 (GMT) DEPTH COL. 01 TR. 26
SEA 13 4A SWELL 13 3A WIND 13 05F AIR TEMP. DRY 26.6 WET BAR. 07.3 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.90	35.42		0	26.90	35.42		23.09	479	479	0.000
9	26.79	35.41		10	26.79	35.41		23.11	476	476	0.048
19	26.82	35.41		20	26.82	35.41		23.10	477	478	0.096
28	26.82	35.41		30	26.81	35.41		23.11	477	478	0.143
48	26.75	35.41		50	26.76	35.40		23.12	476	478	0.239
72	26.81	35.42		75	26.79	35.46		23.15	473	475	0.358
95	26.40	35.71		100	26.22	35.69		23.51	439	442	0.473
119	25.32	35.61		125	24.92	35.65		23.88	404	408	0.580
143	23.71	35.78		150	23.37	35.77		24.43	351	357	0.675
191	22.05	35.65		200	21.88	35.68		24.79	317	324	0.846
220	21.50	35.75		250	20.53	35.72		25.19	278	287	0.999
264	19.98	35.68		300	18.24	35.51		25.62	237	247	1.133
353	15.68	35.21		400	13.57	35.00		26.29	173	184	1.349
442	11.90	34.84		500	10.53	34.68		26.63	141	152	1.517
583	8.57	34.57		600	8.18	34.58		26.93	113	123	1.656
676	6.71	34.60		700	6.44	34.56		27.17	90	100	1.768
771	5.82	34.43		800	5.56	34.41		27.16	91	101	1.869
917	4.53	34.45									

STATION HO73062

LATITUDE 16-41 S LONGITUDE 172-13 E DATE 73-11-05 19.1 (GMT) DEPTH COL. 01 TR. 20

SEA 14 5A SWELL 13 4A WIND 14 06F AIR TEMP. DRY 25.6 WET BAR. 06.8 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.90	35.15		0	26.90	35.15		22.88	498	498	0.000
9	26.91	35.13		10	26.91	35.13		22.86	500	500	0.050
19	26.94	35.13		20	26.94	35.13		22.86	501	501	0.100
28	26.93	35.14		30	26.92	35.14		22.87	500	501	0.150
46	26.81	35.17		50	26.80	35.20		22.96	491	493	0.250
70	26.73	35.39		75	26.73	35.41		23.13	475	477	0.371
93	26.58	35.47		100	26.33	35.51		23.34	455	459	0.488
116	25.63	35.64		125	25.27	35.73		23.83	408	413	0.597
139	24.72	35.85		150	24.25	35.88		24.25	368	373	0.696
185	22.77	35.91		200	22.49	35.96		24.82	313	321	0.870
202	22.46	35.96		250	20.75	35.73		25.14	284	292	1.023
255	20.55	35.69		300	19.49	35.49		25.28	269	280	1.166
325	18.90	35.37		400	13.58	34.95		26.25	177	188	1.401
415	12.52	34.87		500	8.98	34.60		26.83	123	132	1.561
506	8.81	34.59		600	6.93	34.65		27.17	90	99	1.677
601	6.92	34.65		700	5.79	34.41		27.14	94	102	1.779
701	5.78	34.41		800	4.98	34.35		27.18	89	97	1.879
891	4.53	34.45									

STATION HO73063

LATITUDE 16-41 S LONGITUDE 173-13 E DATE 73-11-06 18.8 (GMT) DEPTH COL. 02 TR. 22

SEA 14 4A SWELL 14 3A WIND 14 06F AIR TEMP. DRY 25.6 WET BAR. 06.9 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-Dy
0	26.70	32.22		0	26.70	32.22		20.75	703	703	0.000
9	26.74	35.22		10	26.74	35.22		22.99	489	489	0.060
19	26.76	35.22		20	26.77	35.24		22.99	488	488	0.109
28	26.75	35.40		30	26.69	35.41		23.15	473	474	0.157
46	26.01	35.42		50	25.81	35.42		23.43	446	448	0.249
70	25.11	35.46		75	25.20	35.48		23.66	424	427	0.358
93	25.51	35.55		100	25.05	35.58		23.78	413	416	0.464
116	23.99	35.65		125	23.92	35.72		24.23	370	374	0.563
139	23.81	35.83		150	23.65	35.88		24.43	351	356	0.654
183	22.80	35.92		200	21.96	35.86		24.90	306	313	0.822
224	20.78	35.74		250	19.85	35.68		25.34	264	273	0.969
299	18.10	35.60		300	18.05	35.60		25.74	227	236	1.096
398	13.08	35.35		400	12.98	35.33		26.67	138	148	1.289
489	8.96	34.67		500	8.61	34.73		26.99	107	116	1.422
584	6.72	35.23		600	6.52	35.10		27.59	51	60	1.510
680	5.82	34.48		700	5.67	34.44		27.18	90	98	1.590
799	5.00	34.47		800	4.99	34.47		27.28	80	89	1.684
878	4.54	34.47									

STATION HO73064

LATITUDE 16-55 S LONGITUDE 174-00 E DATE 73-11-07 11.1 (GMT) DEPTH COL. TR.

SEA 14 4A SWELL 14 4A WIND 14 05F AIR TEMP. DRY 25.9 WET BAR. 09.6 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	35.03		0	26.80	35.03		22.83	504	504	0.000
20	26.88	35.02		20	26.88	35.02		22.79	507	508	0.101
49	26.58	35.48		50	26.56	35.49		23.25	464	465	0.247
98	25.01	35.66		100	24.95	35.66		23.88	404	407	0.466
148	23.31	35.66		150	23.23	35.66		24.39	354	360	0.658
172	22.32	35.71		175	22.21	35.71		24.72	323	330	0.744
197	21.46	35.71		200	21.36	35.71		24.95	301	308	0.824
246	19.84	35.65		250	19.66	35.64		25.35	263	271	0.969
393	13.06	35.03		400	12.79	35.01		26.46	157	168	1.299
590	7.14	34.66		600	6.98	34.64		27.16	91	100	1.568
788	5.13	34.44		800	5.04	34.43		27.25	83	92	1.761
987	4.00	34.48									

STATION H073065

LATITUDE 16-45 S LONGITUDE 174-33 E DATE 73-11-07 19.3 (GMT) DEPTH COL. 01 TR. 18

SEA 12 3A SWELL 13 3A WIND 12 04F AIR TEMP. DRY 25.4 WET BAR. 08.2 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.10	34.73		0	26.10	34.73		22.82	504	504	0.000
10	27.12	34.76		10	27.12	34.76		22.52	533	533	0.052
20	27.17	34.72		20	27.17	34.72		22.47	537	538	0.106
30	27.07	34.89		30	27.07	34.89		22.63	522	523	0.159
50	26.47	35.44		50	26.47	35.44		23.24	464	466	0.258
75	25.87	35.67		75	25.87	35.67		23.60	430	433	0.370
100	24.78	35.64		100	24.78	35.64		23.91	400	404	0.475
125	24.13	35.73		125	24.13	35.73		24.18	375	380	0.573
150	23.90	35.92		150	23.90	35.92		24.39	355	360	0.666
199	21.44	35.81		200	21.40	35.81		25.02	295	302	0.831
245	19.92	35.69		250	19.73	35.67		25.36	262	271	0.975
295	17.85	35.47		300	17.61	35.45		25.73	227	237	1.102
393	13.24	35.01		400	12.99	34.99		26.40	163	174	1.308
491	10.08	34.71		500	9.75	34.68		26.76	129	139	1.464
589	6.94	34.46		600	6.76	34.46		27.05	102	111	1.590
687	5.90	34.50		700	5.79	34.49		27.20	87	96	1.694
786	5.14	34.44		800	5.04	34.44		27.24	83	92	1.788
985	4.00	34.47									

STATION H073066

LATITUDE 18-01 S LONGITUDE 175-24 E DATE 73-11-08 18.9 (GMT) DEPTH COL. 01 TR. 25

SEA 11 3A SWELL 11 1A WIND 11 04F AIR TEMP. DRY 25.5 WET BAR. 07.2 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.90	34.88		0	26.90	34.88		22.68	518	517	0.000
10	26.96	34.81		10	26.96	34.81		22.61	525	525	0.052
19	26.99	34.80		20	26.99	34.79		22.59	527	527	0.105
29	26.99	34.80		30	27.00	34.83		22.61	524	525	0.157
48	27.09	35.43		50	27.03	35.45		23.07	481	482	0.258
72	26.13	35.46		75	26.06	35.47		23.39	450	453	0.375
97	25.57	35.55		100	25.28	35.56		23.70	420	424	0.485
121	23.25	35.63		125	23.26	35.64		24.36	357	362	0.583
145	23.34	35.70		150	23.12	35.71		24.46	348	354	0.673
193	21.18	35.73		200	21.05	35.73		25.06	291	298	0.836
228	20.59	35.71		250	19.94	35.65		25.29	268	277	0.980
274	19.06	35.57		300	17.79	35.46		25.69	231	240	1.110
365	14.62	35.16		400	13.13	35.01		26.39	164	174	1.318
456	11.00	34.80		500	9.57	34.65		26.77	128	138	1.474
547	8.26	34.55		600	7.02	34.56		27.09	98	107	1.597
630	6.47	34.58		700	5.86	34.49		27.19	89	97	1.700
734	5.57	34.44		800	5.11	34.41		27.21	86	95	1.796
925	4.46	34.46									

STATION H073067

LATITUDE 17-00 S LONGITUDE 175-30 E DATE 73-11-09 13.7 (GMT) DEPTH 2320 COL. TR.

SEA 12 2A SWELL 12 1A WIND 12 03F AIR TEMP. DRY 25.5 WET BAR. 06.3 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.00	35.10		0	27.00	35.10		22.81	505	505	0.000
10	27.08	34.98		10	27.08	34.98		22.70	516	516	0.051
20	27.04	34.96		20	27.04	34.96		22.70	516	517	0.103
30	27.02	34.96		30	27.02	34.96		22.70	516	517	0.155
50	26.96	34.96		50	26.96	34.96		22.72	514	516	0.258
75	26.66	35.47		75	26.66	35.47		23.20	468	471	0.381
100	25.64	35.71		100	25.64	35.71		23.70	420	424	0.493
125	24.72	35.83		125	24.72	35.83		24.07	385	389	0.595
150	23.86	35.85		150	23.86	35.85		24.35	359	364	0.689
199	21.34	35.81		200	21.31	35.81		25.04	292	300	0.856
238	20.41	35.72		250	20.14	35.69		25.27	271	279	1.001
286	19.11	35.58		300	18.33	35.51		25.60	240	250	1.133
382	13.77	35.04		400	12.95	34.96		26.39	164	175	1.346
478	9.96	34.68		500	9.28	34.62		26.79	126	136	1.501
575	7.47	34.48		600	7.06	34.48		27.02	104	113	1.626
672	6.18	34.51		700	5.88	34.49		27.18	89	98	1.733
771	5.25	34.42		800	5.03	34.41		27.22	85	94	1.829
969	4.18	34.46									

STATION HO73068

LATITUDE 18-00 S LONGITUDE 176-30 E DATE 73-11-10 00.8 (GMT) DEPTH COL. 01 TR. 31
SEA 10 1A SWELL 12 1A WIND 10 01F AIR TEMP. DRY 27.9 WET BAR. 06.3 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	28.10	35.25		0	28.10	35.25		22.57	528	528	0.000
10	26.59	35.20		10	26.59	35.20		23.02	485	485	0.051
20	26.59	35.18		20	26.59	35.18		23.00	487	487	0.099
30	26.04	35.44		30	26.04	35.44		23.37	452	452	0.146
50	25.51	35.56		50	25.51	35.56		23.63	427	429	0.235
75	24.54	35.62		75	24.54	35.62		23.97	395	397	0.338
100	23.88	35.61		100	23.88	35.61		24.16	377	380	0.435
125	23.22	35.59		125	23.22	35.59		24.34	360	364	0.529
150	22.76	35.63		150	22.76	35.63		24.50	344	350	0.618
200	21.16	35.62		200	21.16	35.62		24.94	302	309	0.783
221	20.62	35.67		250	19.22	35.59		25.43	255	264	0.926
266	18.45	35.51		300	17.05	35.38		25.81	219	228	1.050
354	14.83	35.17		400	12.76	34.96		26.43	161	171	1.250
443	10.83	34.78		500	8.86	34.59		26.84	122	131	1.401
532	7.99	34.52		600	6.81	34.54		27.11	96	105	1.520
623	6.54	34.56		700	5.85	34.45		27.16	92	100	1.623
717	5.74	34.42		800	5.16	34.38		27.19	89	98	1.722
920	4.52	34.45									

STATION HO73069

LATITUDE 19-00 S LONGITUDE 177-28 E DATE 73-11-15 05.8 (GMT) DEPTH COL. TR. 26
SEA 07 2A SWELL 06 2A WIND 07 03F AIR TEMP. DRY 27.0 WET BAR. 09.2 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.40	35.58		0	26.40	35.58		23.37	452	452	0.000
10	25.87	35.61		10	25.87	35.61		23.55	434	434	0.044
20	25.73	35.61		20	25.73	35.61		23.60	430	431	0.088
30	25.63	35.63		30	25.63	35.63		23.64	426	427	0.131
50	25.47	35.65		50	25.47	35.65		23.71	420	421	0.215
75	24.89	35.64		75	24.89	35.64		23.88	403	406	0.319
100	23.94	35.64		100	23.94	35.64		24.16	376	380	0.417
124	23.19	35.62		125	23.16	35.62		24.38	356	360	0.510
149	22.37	35.59		150	22.35	35.59		24.59	336	341	0.598
199	20.86	35.68		200	20.79	35.68		25.08	288	295	0.757
226	19.01	35.55		250	18.66	35.52		25.52	247	255	0.895
272	18.33	35.51		300	17.62	35.46		25.73	227	236	1.018
362	15.18	35.25		400	12.72	34.99		26.46	157	168	1.220
453	9.29	34.66		500	8.42	34.57		26.89	117	126	1.368
543	7.62	34.55		600	7.31	34.55		27.04	102	112	1.487
643	7.07	34.56		700	6.52	34.51		27.12	95	105	1.596
799	5.56	34.41		800	5.55	34.41		27.16	91	100	1.699
999	4.19	34.47									

STATION HO73070

LATITUDE 19-06 S LONGITUDE 176-54 E DATE 73-11-15 12.1 (GMT) DEPTH COL. TR.
SEA 07 1A SWELL 07 1A WIND 07 01F AIR TEMP. DRY 25.4 WET BAR. 10.0 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	35.41		0	26.80	35.41		23.11	477	476	0.000
20	26.28	35.40		20	26.28	35.40		23.27	462	462	0.094
50	26.12	35.50		50	26.12	35.50		23.39	450	451	0.231
99	24.70	35.65		100	24.68	35.65		23.95	397	400	0.444
149	23.82	35.62		150	23.80	35.62		24.19	374	379	0.639
174	23.13	35.61		175	23.08	35.62		24.40	354	360	0.732
199	21.61	35.74		200	21.55	35.74		24.92	304	311	0.816
248	18.82	35.57		250	18.73	35.56		25.54	245	254	0.957
398	13.31	35.07		400	13.24	35.06		26.41	162	173	1.278
596	7.83	34.53		600	7.76	34.53		26.96	111	120	1.572
795	5.46	34.44		800	5.41	34.44		27.20	87	97	1.790
995	4.21	34.46									

STATION H073071

LATITUDE 19-20 S LONGITUDE 176-18 E DATE 73-11-15 19.0 (GMT) DEPTH COL. 01 TR. 38

SEA 08 1A SWELL 08 1A WIND 08 01F AIR TEMP. DRY 26.4 WET BAR. 10.6 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.30	34.94		0	27.30	34.94		22.60	526	525	0.000
10	24.08	34.92		10	24.08	34.92		23.58	432	432	0.048
20	26.97	34.91		20	26.97	34.91		22.68	518	518	0.095
30	26.94	34.91		30	26.94	34.91		22.69	517	518	0.147
50	25.89	35.43		50	25.89	35.43		23.41	448	449	0.244
75	24.65	35.64		75	24.65	35.64		23.95	396	399	0.350
100	24.07	35.63		100	24.07	35.63		24.12	381	384	0.448
125	23.00	35.63		125	23.00	35.63		24.43	351	355	0.541
149	22.31	35.65		150	22.29	35.65		24.65	330	335	0.627
199	21.22	35.70		200	21.17	35.70		25.00	297	304	0.787
235	19.40	35.60		250	18.98	35.57		25.48	251	259	0.928
282	18.08	35.49		300	17.34	35.43		25.78	223	232	1.052
375	14.28	35.12		400	13.26	35.02		26.37	166	176	1.256
470	10.71	34.77		500	10.02	34.69		26.73	132	143	1.416
565	8.51	34.57		600	7.72	34.54		26.98	109	119	1.547
660	6.55	34.51		700	6.02	34.47		27.15	92	101	1.658
756	5.47	34.41		800	5.09	34.39		27.20	87	96	1.757
950	4.37	34.46									

STATION H073072

LATITUDE 19-03 S LONGITUDE 175-32 E DATE 73-11-15 11.0 (GMT) DEPTH COL. TR.

SEA 11 2A SWELL 10 1A WIND 11 03F AIR TEMP. DRY 26.5 WET BAR. 11.2 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.60	35.51		0	26.60	35.51		23.25	463	463	0.000
19	26.01	35.53		20	25.98	35.53		23.46	443	444	0.091
49	24.95	35.54		50	24.91	35.54		23.80	411	413	0.219
98	23.15	35.62		100	23.09	35.62		24.40	354	357	0.412
147	21.96	35.64		150	21.91	35.64		24.75	320	326	0.583
172	21.51	35.65		175	21.43	35.65		24.89	307	313	0.663
196	20.88	35.64		200	20.80	35.64		25.06	291	298	0.740
245	19.91	35.66		250	19.76	35.65		25.34	264	273	0.883
393	14.59	35.15		400	14.30	35.12		26.24	179	190	1.231
590	7.59	34.54		600	7.36	34.52		27.01	105	115	1.536
787	5.42	34.41									

STATION H073073

LATITUDE 19-11 S LONGITUDE 174-44 E DATE 73-11-16 18.7 (GMT) DEPTH COL. 01 TR. 24

SEA 08 2A SWELL 05 1A WIND 08 03F AIR TEMP. DRY 26.7 WET BAR. 10.3 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.60	35.54		0	26.60	35.54		23.27	461	461	0.000
10	26.06	35.54		10	26.06	35.54		23.44	445	445	0.045
20	26.01	35.54		20	26.01	35.54		23.46	443	444	0.090
30	25.92	35.53		30	25.92	35.53		23.48	441	442	0.134
50	25.79	35.55		50	25.79	35.55		23.53	436	438	0.222
75	24.97	35.59		75	24.97	35.59		23.82	409	412	0.329
100	24.26	35.63		100	24.26	35.63		24.06	386	390	0.429
125	23.76	35.61		125	23.76	35.61		24.19	373	378	0.525
150	22.78	35.60		150	22.78	35.60		24.47	347	352	0.616
199	21.43	35.61		200	21.39	35.61		24.87	309	316	0.784
241	19.98	35.61		250	19.75	35.61		25.31	267	276	0.932
289	18.84	35.58		300	18.60	35.58		25.58	241	251	1.064
385	16.27	35.46		400	15.59	35.38		26.15	187	199	1.289
481	11.91	34.92		500	11.08	34.83		26.64	140	152	1.465
578	8.22	34.55		600	7.70	34.54		26.97	109	119	1.600
674	6.49	34.54		700	6.20	34.51		27.16	91	101	1.710
771	5.58	34.42		800	5.34	34.40		27.18	89	98	1.810
966	4.25	34.46									

STATION H073074

LATITUDE 18-27 S LONGITUDE 174-35 E DATE 73-11-17 11.5 (GMT) DEPTH COL. TR.
SEA 09 1A SWELL 06 1A WIND 09 01F AIR TEMP. DRY 26.8 WET BAR. 10.8 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.50	35.40		0	27.50	35.40		22.88	499	498	0.000
20	26.89	35.38		20	26.89	35.38		23.06	481	482	0.098
50	26.12	35.47		50	26.12	35.47		23.37	452	453	0.239
99	24.37	35.53		100	24.35	35.53		23.96	396	399	0.452
149	23.34	35.67		150	23.31	35.67		24.37	356	362	0.642
174	22.47	35.71		175	22.43	35.71		24.66	329	336	0.750
198	21.50	35.71		200	21.44	35.71		24.93	303	310	0.811
248	20.04	35.65		250	19.95	35.64		25.28	270	278	0.958
397	13.05	35.00		400	12.93	34.99		26.42	162	172	1.296
595	7.33	34.54		600	7.25	34.53		27.04	103	112	1.582
795	5.15	34.41		800	5.11	34.41		27.22	86	95	1.790
994	4.10	34.46									

STATION H073075

LATITUDE 18-06 S LONGITUDE 174-09 E DATE 73-11-17 18.9 (GMT) DEPTH COL. 02 TR. 24
SEA 18 5A SWELL 19 1A WIND 18 06F AIR TEMP. DRY 24.8 WET BAR. 11.4 WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	35.32		0	26.80	35.32		23.04	483	483	0.000
7	26.92	35.37		10	26.92	35.39		23.06	482	482	0.048
15	26.84	35.42		20	26.63	35.46		23.20	468	469	0.096
23	26.49	35.48		30	26.27	35.50		23.35	454	455	0.142
38	26.07	35.52		50	25.75	35.55		23.55	435	437	0.231
56	25.60	35.56		75	25.16	35.55		23.73	417	420	0.339
85	24.90	35.54		100	24.46	35.54		23.93	399	402	0.442
123	23.49	35.56		125	23.35	35.57		24.28	365	369	0.538
138	22.53	35.61		150	22.32	35.62		24.62	333	338	0.627
151	22.31	35.62		200	21.08	35.63		24.97	299	306	0.788
232	20.04	35.61		250	19.41	35.58		25.38	261	269	0.932
297	17.64	35.46		300	17.52	35.45		25.75	225	235	1.058
366	14.79	35.17		400	13.14	35.15		26.50	154	164	1.258
438	11.29	35.11		500	9.13	34.73		26.91	115	125	1.404
514	8.73	34.64		600	6.70	34.39		27.00	106	115	1.524
670	5.72	34.42									

STATION H073076

LATITUDE 18-34 S LONGITUDE 173-49 E DATE 73-11-18 11.5 (GMT) DEPTH COL. TR.
SEA 15 3A SWELL 13 2A WIND 15 04F AIR TEMP. DRY 25.4 WET BAR. 12.1 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.30	35.43		0	26.30	35.43		23.28	460	460	0.000
20	26.44	35.42		20	26.44	35.42		23.23	465	465	0.093
49	26.24	35.49		50	26.21	35.49		23.36	453	454	0.231
98	24.17	35.65		100	24.12	35.66		24.12	380	384	0.441
147	22.81	35.72		150	22.67	35.72		24.59	335	341	0.622
171	21.64	35.69		175	21.48	35.68		24.90	306	312	0.704
195	20.72	35.65		200	20.52	35.64		25.13	284	291	0.779
244	18.70	35.53		250	18.42	35.51		25.57	242	250	0.915
392	12.30	34.94		400	12.03	34.92		26.54	150	160	1.223
588	7.27	34.56		600	7.09	34.54		27.07	100	109	1.493
786	5.19	34.41		800	5.08	34.41		27.22	86	95	1.698
984	4.15	34.46									

STATION H073077

LATITUDE 18-57 S LONGITUDE 173-14 E DATE 73-11-18 18.8 (GMT) DEPTH COL. 02 TR. 22
SEA 15 2A SWELL 17 1A WIND 15 03F AIR TEMP. DRY 25.2 WET BAR. 12.4 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.10	35.51		0	26.10	35.51		23.41	448	448	0.000
10	26.26	35.48		10	26.26	35.48		23.33	455	455	0.045
20	26.23	35.48		20	26.23	35.48		23.34	454	455	0.091
29	26.26	35.48		30	26.27	35.48		23.33	455	456	0.136
49	26.21	35.48		50	26.18	35.48		23.36	453	454	0.228
74	25.30	35.55		75	25.27	35.55		23.70	420	423	0.337
98	24.57	35.64		100	24.52	35.64		23.99	393	396	0.440
123	23.82	35.64		125	23.74	35.64		24.23	370	375	0.536
147	22.75	35.70		150	22.62	35.70		24.59	335	341	0.626
197	20.68	35.67		200	20.56	35.66		25.14	283	290	0.784
246	18.79	35.55		250	18.67	35.54		25.54	245	254	0.920
295	17.25	35.43		300	17.03	35.41		25.84	217	226	1.040
394	12.68	34.97		400	12.43	34.95		26.48	155	165	1.237
493	9.21	34.67		500	9.04	34.65		26.86	120	129	1.384
592	7.27	34.48		600	7.14	34.48		27.01	106	115	1.507
691	5.95	34.50		700	5.86	34.49		27.19	88	97	1.613
790	5.17	34.43		800	5.10	34.43		27.23	85	93	1.709
989	4.26	34.47									

STATION H073078

LATITUDE 18-26 S LONGITUDE 173-05 E DATE 73-11-18 11.1 (GMT) DEPTH COL. TR.
SEA 13 3A SWELL 11 3A WIND 13 04F AIR TEMP. DRY 25.4 WET BAR. 13.0 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.20	35.50		0	26.20	35.50		23.37	452	452	0.000
16	26.14	35.49		20	26.16	35.49		23.37	451	452	0.090
38	26.17	35.49		50	25.99	35.51		23.44	445	447	0.225
76	25.27	35.56		100	24.06	35.62		24.11	381	385	0.434
147	21.68	35.69		150	21.61	35.69		24.87	309	314	0.609
175	21.06	35.68		175	21.06	35.68		25.01	295	301	0.686
182	20.85	35.68		200	20.25	35.66		25.22	276	283	0.759
250	18.48	35.54		250	18.48	35.54		25.58	241	249	0.892
286	17.20	35.42		400	13.26	35.00		26.36	167	178	1.213
577	7.15	34.52		600	6.73	34.49		27.08	99	108	1.500
742	5.30	34.44									

STATION H073079

LATITUDE 17-33 S LONGITUDE 172-28 E DATE 73-11-19 18.9 (GMT) DEPTH COL. 02 TR. 21
SEA 15 3A SWELL 14 2A WIND 15 04F AIR TEMP. DRY 25.7 WET BAR. 11.5 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	35.19		0	26.80	35.19		22.95	492	492	0.000
10	26.83	35.22		10	26.83	35.22		22.96	491	491	0.049
19	26.84	35.22		20	26.85	35.22		22.96	491	492	0.098
29	26.86	35.26		30	26.84	35.26		22.99	488	489	0.148
48	26.36	35.35		50	26.30	35.36		23.23	465	467	0.243
73	25.45	35.47		75	25.36	35.48		23.61	429	431	0.356
98	24.36	35.54		100	24.29	35.54		23.99	393	397	0.459
123	23.62	35.59		125	23.57	35.59		24.24	369	374	0.556
147	23.01	35.63		150	22.95	35.65		24.46	348	353	0.647
197	21.60	35.81		200	21.46	35.80		24.99	297	304	0.811
223	20.31	35.67		250	19.21	35.59		25.44	255	263	0.954
268	18.52	35.55		300	17.05	35.42		25.84	216	226	1.076
358	14.38	35.16		400	13.16	35.01		26.39	164	175	1.277
448	11.77	34.86		500	9.62	34.68		26.78	127	137	1.433
540	7.97	34.57		600	6.79	34.57		27.13	94	103	1.554
632	6.50	34.58		700	6.62	34.47		27.08	99	109	1.661
724	6.66	34.43		800	6.13	34.39		27.08	99	110	1.770
912	4.27	34.48									

STATION HO73080

LATITUDE 18-21 S LONGITUDE 172-18 E DATE 73-11-20 11.5 (GMT) DEPTH COL. TR.

SEA 13 4A SWELL 17 4A WIND 13 05F AIR TEMP. DRY 25.3 WET BAR. 10.8 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.20	35.54		0	26.20	35.54		23.40	449	449	0.000
16	26.12	35.53		20	26.13	35.53		23.41	448	448	0.090
40	26.12	35.53		50	25.94	35.56		23.49	440	442	0.224
78	25.16	35.64		100	24.38	35.64		24.04	388	392	0.432
135	23.13	35.65		150	22.65	35.68		24.57	337	343	0.616
153	22.56	35.69		175	21.91	35.70		24.80	316	322	0.699
190	21.46	35.70		200	21.14	35.70		25.01	296	303	0.778
250	19.47	35.69		250	19.47	35.69		25.45	254	263	0.919
306	17.60	35.65		400	14.05	35.24		26.38	165	176	1.249
538	6.83	34.64		600	7.38	34.51		27.00	106	116	1.542
704	5.79	34.44									

STATION HO73081

LATITUDE 18-36 S LONGITUDE 171-54 E DATE 73-11-20 18.8 (GMT) DEPTH COL. 01 TR. 29

SEA 13 3A SWELL 13 2A WIND 13 04F AIR TEMP. DRY 25.7 WET BAR. 10.2 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.20	35.36		0	26.20	35.36		23.26	462	462	0.000
9	26.18	35.41		10	26.18	35.41		23.31	458	458	0.046
18	26.17	35.41		20	26.18	35.41		23.31	458	458	0.092
27	26.17	35.43		30	26.13	35.45		23.36	453	454	0.138
44	25.80	35.57		50	25.56	35.59		23.63	427	429	0.226
67	24.88	35.59		75	24.68	35.59		23.90	401	404	0.330
89	24.41	35.59		100	24.19	35.61		24.07	385	389	0.429
117	23.84	35.64		125	23.46	35.64		24.30	363	368	0.524
135	22.95	35.63		150	22.28	35.63		24.64	331	337	0.612
182	21.14	35.63		200	20.72	35.63		25.07	290	297	0.771
202	20.68	35.63		250	19.10	35.59		25.46	252	261	0.910
272	18.27	35.55		300	17.22	35.47		25.84	217	226	1.033
345	15.56	35.31		400	13.79	35.12		26.34	169	180	1.236
422	13.11	35.06		500	10.52	35.00		26.88	118	129	1.391
501	10.49	35.00		600	7.93	34.53		26.94	113	123	1.517
602	7.89	34.52		700	6.15	34.37		27.06	101	110	1.634
756	5.50	34.43									

STATION HO73082

LATITUDE 18-22 S LONGITUDE 171-44 E DATE 73-11-21 10.1 (GMT) DEPTH COL. TR.

SEA 16 4A SWELL 13 3A WIND 15 04F AIR TEMP. DRY 25.6 WET BAR. 11.0 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.20	35.49		0	26.20	35.49		23.36	453	452	0.000
19	26.09	35.53		20	26.09	35.53		23.43	446	447	0.090
47	25.92	35.57		50	25.84	35.57		23.54	436	438	0.223
93	24.35	35.59		100	24.13	35.59		24.07	385	389	0.430
138	23.18	35.64		150	23.04	35.68		24.45	349	354	0.616
161	22.85	35.70		175	22.21	35.69		24.70	325	331	0.701
184	21.75	35.67		200	21.17	35.65		24.96	300	307	0.781
230	20.21	35.61		250	19.54	35.58		25.34	264	273	0.927
367	15.46	35.32		400	14.17	35.22		26.33	170	181	1.267
550	8.33	34.75		600	7.64	34.63		27.06	101	111	1.559
735	5.76	34.43		800	5.14	34.40		27.21	87	96	1.767
922	4.37	34.46									

STATION H073083

LATITUDE 17-45 S LONGITUDE 171-13 E DATE 73-11-21 18.8 (GMT) DEPTH COL. 02 TR. 21
SEA 11 3A SWELL 13 1A WIND 11 03F AIR TEMP. DRY 26.0 WET BAR. 09.1 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.80	34.91		0	26.80	34.91		22.74	513	512	0.000
10	27.16	34.95		10	27.16	34.95		22.65	521	521	0.052
19	27.29	34.96		20	27.24	35.00		22.66	520	520	0.104
29	26.64	35.35		30	26.61	35.36		23.14	474	475	0.154
48	26.27	35.39		50	26.21	35.40		23.29	460	462	0.247
72	25.38	35.47		75	25.23	35.49		23.66	424	427	0.359
96	24.18	35.59		100	24.00	35.60		24.11	381	385	0.460
120	23.32	35.63		125	23.18	35.64		24.39	355	359	0.553
144	23.06	35.67		150	23.58	35.68		24.30	363	369	0.644
192	27.24	35.68		200	25.16	35.67		23.82	409	417	0.841
221	19.70	35.62		250	18.76	35.56		25.52	247	255	1.009
265	18.28	35.52		300	16.98	35.41		25.85	216	225	1.130
355	14.81	35.21		400	13.02	35.05		26.44	159	170	1.327
446	11.28	34.88		500	9.54	34.69		26.81	125	135	1.480
538	8.51	34.59		600	7.25	34.59		27.08	99	108	1.602
631	6.77	34.60		700	6.00	34.47		27.16	92	101	1.707
726	5.78	34.42		800	5.18	34.37		27.18	90	99	1.807
919	4.53	34.45									

STATION H073084

LATITUDE 17-58 S LONGITUDE 170-50 E DATE 73-11-22 12.1 (GMT) DEPTH COL. TR.
SEA 09 2A SWELL 11 1A WIND 09 03F AIR TEMP. DRY 26.1 WET BAR. 09.5 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.30	34.95		0	27.30	34.95		22.61	525	525	0.000
20	27.30	34.92		20	27.30	34.92		22.58	527	528	0.105
50	26.42	35.35		50	26.42	35.35		23.19	469	471	0.255
100	24.19	35.61		100	24.19	35.61		24.07	385	389	0.471
150	22.42	35.76		150	22.42	35.76		24.70	325	331	0.651
175	21.64	35.70		175	21.64	35.70		24.87	309	315	0.732
200	20.61	35.66		200	20.61	35.66		25.12	285	292	0.808
250	18.77	35.56		250	18.77	35.56		25.53	246	255	0.945
400	12.52	34.97		400	12.52	34.97		26.48	155	165	1.261
600	7.21	34.46		600	7.21	34.46		26.99	108	117	1.544
800	5.27	34.49		800	5.27	34.49		27.26	82	91	1.753
1000	4.08	34.43		1000	4.08	34.43		27.35	74	82	1.927

STATION H073085

LATITUDE 17-55 S LONGITUDE 170-27 E DATE 73-11-22 18.7 (GMT) DEPTH COL. 01 TR. 25
SEA 09 3A SWELL 12 4A WIND 09 04F AIR TEMP. DRY 26.4 WET BAR. 08.0 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.40	34.80		0	27.40	34.80		22.46	539	538	0.000
10	27.49	34.79		10	27.49	34.79		22.42	542	542	0.054
20	27.39	34.78		20	27.39	34.78		22.45	540	540	0.108
30	27.36	34.97		30	27.36	34.97		22.60	525	526	0.162
50	26.28	35.38		50	26.28	35.38		23.25	463	465	0.261
75	25.13	35.49		75	25.13	35.49		23.69	421	424	0.372
100	24.07	35.56		100	24.07	35.56		24.06	386	389	0.474
125	23.02	35.61		125	23.02	35.61		24.41	353	357	0.567
150	22.34	35.69		150	22.34	35.69		24.67	328	334	0.654
200	20.73	35.65		200	20.73	35.65		25.08	289	296	0.811
243	19.68	35.62		250	19.43	35.60		25.39	260	268	0.953
291	17.80	35.47		300	17.40	35.43		25.76	224	233	1.078
389	13.38	35.00		400	12.88	34.96		26.40	163	173	1.282
486	9.50	34.68		500	9.15	34.65		26.84	122	132	1.435
584	7.60	34.51		600	7.32	34.51		27.01	106	115	1.559
682	6.10	34.51		700	5.92	34.49		27.18	89	98	1.666
781	5.32	34.40		800	5.19	34.39		27.19	88	97	1.764
978	4.29	34.45									

STATION H073086

LATITUDE 18-30 S LONGITUDE 170-48 E DATE 73-11-23 10.2 (GMT) DEPTH COL. TR.
SEA 11 2A SWELL 13 1A WIND 11 03F AIR TEMP. DRY 26.6 WET BAR. 09.9 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	27.10	35.04		0	27.10	35.04		22.74	512	512	0.000
20	26.40	35.42		20	26.40	35.42		23.25	464	464	0.098
50	25.81	35.59		50	25.81	35.59		23.56	434	436	0.233
99	24.08	35.59		100	24.05	35.59		24.09	383	386	0.439
149	22.74	35.64		150	22.72	35.64		24.52	342	347	0.622
173	22.11	35.69		175	22.03	35.69		24.75	320	326	0.707
198	21.09	35.70		200	21.01	35.70		25.04	293	300	0.785
247	19.15	35.58		250	19.02	35.57		25.47	252	260	0.925
396	13.07	35.01		400	12.93	35.00		26.42	161	171	1.250
594	7.83	34.65		600	7.72	34.64		27.05	101	111	1.534
792	5.29	34.43		800	5.22	34.43		27.22	86	95	1.741
989	4.09	34.47									

STATION H073087

LATITUDE 19-04 S LONGITUDE 170-57 E DATE 73-11-23 18.7 (GMT) DEPTH COL. 02 TR. 30
SEA 08 1A SWELL 09 1A WIND 08 02F AIR TEMP. DRY 26.0 WET BAR. 07.7 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.60	35.34		0	26.60	35.34		23.12	476	475	0.000
10	26.42	35.34		10	26.42	35.34		23.18	470	470	0.047
20	26.42	35.34		20	26.42	35.34		23.18	470	471	0.094
30	26.29	35.34		30	26.29	35.34		23.22	466	467	0.141
50	25.89	35.52		50	25.89	35.52		23.48	441	443	0.232
75	24.27	35.56		75	24.27	35.56		24.00	391	394	0.337
100	23.31	35.58		100	23.31	35.58		24.30	363	366	0.432
125	22.81	35.60		125	22.81	35.60		24.46	348	352	0.522
150	22.30	35.62		150	22.30	35.62		24.62	332	338	0.609
200	20.83	35.64		200	20.83	35.64		25.05	292	299	0.768
227	20.59	35.65		250	19.84	35.63		25.30	268	276	0.912
273	19.09	35.59		300	18.09	35.52		25.67	233	243	1.042
365	15.52	35.30		400	14.07	35.15		26.31	172	183	1.256
457	11.70	34.92		500	10.40	34.77		26.72	133	143	1.419
550	9.13	34.64		600	7.96	34.61		27.00	107	117	1.550
643	7.13	34.60		700	6.41	34.49		27.12	95	105	1.662
737	6.05	34.42		800	5.45	34.37		27.15	93	102	1.765
927	4.54	34.45									

STATION H073088

LATITUDE 19-00 S LONGITUDE 170-25 E DATE 73-11-24 10.8 (GMT) DEPTH COL. TR.
SEA 06 2A SWELL 04 2A WIND 06 03F AIR TEMP. DRY 25.7 WET BAR. 08.7 WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	26.50	35.45		0	26.50	35.45		23.24	465	464	0.000
10	26.55	35.44		10	26.55	35.44		23.21	467	467	0.047
20	26.23	35.52		20	26.23	35.52		23.37	451	452	0.093
30	26.19	35.53		30	26.19	35.53		23.39	450	450	0.138
50	25.68	35.56		50	25.68	35.56		23.58	432	434	0.226
75	25.12	35.59		75	25.12	35.59		23.77	414	416	0.333
100	24.25	35.56		100	24.25	35.56		24.01	391	394	0.434
125	23.57	35.60		125	23.57	35.60		24.24	369	373	0.530
150	22.98	35.65		150	22.98	35.65		24.45	349	354	0.621
200	21.09	35.69		200	21.09	35.69		25.01	295	302	0.786
243	19.11	35.58		250	18.84	35.56		25.51	248	256	0.926
291	17.39	35.44		300	17.09	35.42		25.83	218	227	1.047
389	14.18	35.18		400	13.80	35.15		26.36	167	178	1.250
486	10.81	34.86		500	10.30	34.80		26.77	129	139	1.409
583	7.72	34.52		600	7.50	34.51		26.98	108	118	1.538
681	6.48	34.50		700	6.24	34.48		27.14	94	103	1.649
778	5.38	34.42		800	5.18	34.41		27.21	87	96	1.749
974	4.33	34.46									

5. Data on Tuna Longline Fishing

A total of 135 baskets of tuna longline were used.

Each basket contained 200 m or 322 m main line with six branch lines.

The baskets were divided into five groups according to the number of basket and construction.

The detail explanation of each groups of tuna longline is as follow :

Group	A	B	C	D	E	F
No. (basket)	15	15	15	30	30	30
Maine line (m)	210	322	322	322	322	322
Branch line (m)	11.5	11.5	11.5	11.5	11.5	11.5
Sekiyama (m)	8	8	8	8	8	8
Kanayama (m)	2	2	2	2	2	2
Hook (number)	6	6	6	6	6	6
Float line (m)	2	30	46	69	92	115

Refrigerated sauries were used as baits.

Operation of longline fishing was supervised by the captain and deck officers.

All hands of crew and cadets were engaged in operations.

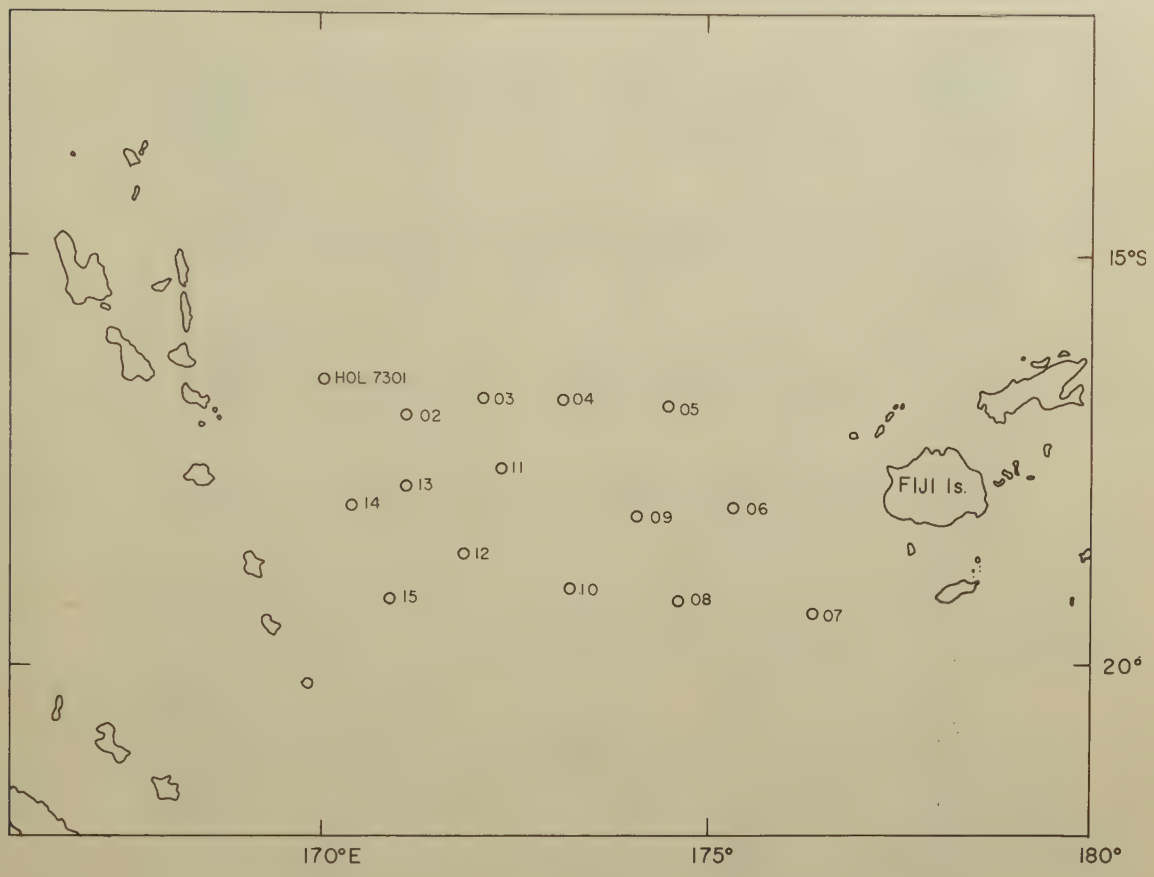


Fig. 3 Locations of tuna longline fishing

Table 3 Data on tuna longline fishing

No. of fishing		HOL 7301	HOL 7302	HOL 7303	HOL 7304	HOL 7305	HOL 7306	HOL 7307	HOL 7308	HOL 7309
No. of station		HO 73060	HO 73061	HO 73062	HO 73063	HO 73065	HO 73066	HO 73071	HO 73073	HO 73075
Date		Nov. 4	5	6	7	8	9	16	17	18
Position of line set	Lat. (S)	16-26	16-49	16-41	16-41	16-45	18-01	19-20	19-11	18-06
	Long. (E)	170-06	171-10	172-13	173-13	174-33	175-24	176-18	174-44	174-09
S.M.T.	Line set	0340-0526	0339-0537	0336-0524	0338-0515	0336-0523	0335-0521	0336-0522	0335-0512	0335-0524
	Line haul	1140-1846	1134-1901	1135-1840	1124-1739	1132-1750	1132-1757	1132-1721	1131-1741	1130-1835
Derection of line set		300	310	320	310	330	240-150	180	240	200
Number of basket used		135	135	135	121	120	120	120	120	120
Albacore		5	5	5	3	3	16	2	1	6
Yellowfin tuna		1	20	10	28	4	6	-	4	5
Bigeye tuna		2	6	1	-	2	-	-	1	5
Striped marlin		1	1	-	-	-	3	4	-	-
Blue marlin		-	-	-	1	-	2	1	-	-
Sword fish		-	-	-	-	-	-	-	1	-
Shortbill spearfish		-	-	1	-	2	-	-	-	-
Tuna snaped by shark		-	1	-	-	-	-	-	-	3
Skipjack tuna		-	-	-	-	-	-	-	-	-
Shark		1	1	1	1	4	4	1	1	1
Wahoo		4	1	1	2	1	-	2	1	-
Dolphin fish		-	-	-	-	-	-	1	-	-
Moon fish		1	-	-	-	-	-	-	-	-
Barracuda		-	1	-	2	-	1	-	-	1
Escolar		-	-	-	-	-	-	-	1	-

HOL 7310	HOL 7311	HOL 7312	HOL 7313	HOL 7314	HOL 7315
HO 73077	HO 73079	HO 73081	HO 73083	HO 73085	HO 73087
19	20	21	22	23	24
18-57 173-14	17-33 172-28	18-36 171-54	17-45 171-13	17-55 170-27	19-04 170-57
0339-0516 1135-1730	0334-0513 1139-1742	0335-0514 1134-1751	0335-0516 1345-1947	0337-0513 1142-1752	0335-0508 1134-1738
330	340	330	320	310	310
120	120	120	120	120	120
7	7	7	14	4	6
2	16	3	20	6	2
-	1	-	-	1	-
-	1	3	2	-	9
1	-	-	-	1	-
-	-	1	-	-	2
-	-	-	-	1	2
-	1	-	2	1	-
-	-	-	-	1	-
3	2	5	2	1	3
-	-	2	1	5	-
-	-	-	-	-	-
1	-	-	-	-	1
1	-	-	-	3	-

Table 4 Biological characteristics of fishes caught by tuna longline

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
L01	ALBACORE	93.0	18.0	110	2.24	F	2	4.49	S(B), SQ, ST, AM, DE, DM
		99.5	21.2	150	2.15	M	4		REVERSED
		96.0	19.0	95	2.15	M	2	6.96	S(B), SQ, SF, DE, AM, DM
		96.0	17.4	83	1.97	M	3		REVERSED
		94.0	19.0	72	2.29	M	2	51.07	S(B), SQ, SF, AM, DM
	YELLOWFIN TUNA	59.5	4.0	7	1.90	M	1	53.62	SF, DE, DM
	BIGEYE TUNA	167.0	90.0	390	1.93	M	5	1.41	SQ, DM
		163.0	85.0	100	1.96	M	3		REVERSED
	STRIPED MARLIN	196.5	91.0	1620	1.20	F	5		REVERSED
L02	ALBACORE	91.0	23.0		3.05	F	-	4.11	S(B), SQ, AM, DM
		118.5	24.5	90	1.47	M	2	0.46	DM
		106.0	27.0	26	2.27	M	3	25.63	SQ, SF, DE, AM, DM
		101.0	22.0	100	2.14	M	2		REVERSED
		101.0	21.0	160	2.04	M	4		REVERSED
	YELLOWFIN TUNA	137.0	40.0	26	1.56	F	2	60.78	S(B), SF, DM, PU, PL
		135.0	46.0	300	1.87	F	3	68.50	S(B), SQ, SF, DE, DM, PU
		125.0	29.0	100	1.48	F	1	27.24	S(B), SF, DE, DM, PU
		124.0	33.0	150	1.73	F	2	3.40	S(B), DM
		124.0	33.0	150	1.73	F	2	27.53	SQ, SF, CR, DM
		124.0	35.0	180	1.84	F	1	4.92	S(B), SF, DM
		123.0	31.0	110	1.67	F	1	11.60	SQ, DE, AM, DM
		120.0	16.0	18	0.93	F	1	20.41	S(B), SQ, SF, DM
		115.0	26.0	65	1.71	F	1	11.84	SF, DM, CR
		113.0	25.5	31	1.77	F	3	24.70	S, SF, DE, DM
		113.0	25.0	110	1.73	F	1	9.74	SQ, SF, DE, DM
		100.0	15.0	3	1.50	F	1	30.40	S(B), SQ, SF, DE, DM
		139.0	48.0	70	1.79	M	2	9.38	S(B), SQ, SF, DE, DM
		134.0	35.0	170	1.45	M	2	45.72	SF, DE, AM, DM
		127.0	37.0	57	1.81	M	1	86.08	S(B), SQ, SF, DM, PU, PL
		121.0	27.0	31	1.52	M	2	47.21	SQ, SF, CR, AM, TH, DM
		120.0	28.0		1.62	M	-	20.86	SQ, SF, AM, DM
		112.0	29.5		2.10	M	-	10.78	SQ, SF, DE, DM
		98.5	16.0	3	1.67	M	1	52.79	S(B), SQ, SF, EU, AM, DM
		* 120.0					-		NOT EXAMINE
	BIGEYE TUNA	119.0	36.0	170	2.14	F	2	36.83	S(B), SQ, SF, DE, DM
		118.0	32.0	152	1.95	F	2	5.63	S(B), DM
		116.0	31.0	180	1.99	F	2	2.62	S(B), DM
		121.0	36.0	3	2.03	M	1	4.40	S(B), DM
		98.5	19.0	3	1.99	M	1	28.99	S(B), SQ, SF, DE, DM
		84.0	13.0	2	2.19	M	1	215.41	SQ, SF, EU, DM
	STRIPED MARLIN	178.0	63.0	90	1.12	M	1		REVERSED
L03	ALBACORE	100.0	20.0	97	2.00	F	3		REVERSED
		90.5	16.0	160	2.16	F	2	6.54	SF, CR, DM
		102.0	20.0	48	1.88	M	2		REVERSED
		93.0	17.0	34	2.11	M	2	2.65	S(B), CR, DM
		92.0	16.5	90	2.12	M	2		REVERSED
	YELLOWFIN TUNA	164.0	31.0	120	0.70	F	2	29.05	SQ, SF, TH, DE, DM
		122.0	31.5	140	1.73	F	3	34.57	SQ, SF, DE, DM
		117.0	28.5	100	1.78	F	2	54.76	S(B), SQ, SF, EU, DM, FB
		103.0	18.5	46	1.69	F	1	14.88	SQ, SF, CR, DM, PU
		129.0	40.0	32	1.86	M	2	24.38	SQ, SF, DM
		121.0	35.0	25	1.98	M	1	41.86	S(B), SQ, FB, SF, EU, DE, DM
		118.5	26.0	35	1.56	M	1	130.96	S(B), SQ, SF, CR, DM, SK
		117.5	24.0	25	1.48	M	1	11.88	SQ, SF, DM
		99.5	16.5	20	1.67	M	1	1.67	CR, DM
		91.3	13.0	3	1.71	M	1	25.31	SF, DM
	BIGEYE TUNA	164.0	75.0	64	1.70	M	3	399.23	SF
	SHORTBILL SPEARFISH	137.0	15.6	33	0.61	M	1		S(B), SQ, SF
L04	ALBACORE	101.5	22.0	315	2.10	F	4	5.40	SQ, SF, DE, AM, DM
		110.0	24.0	125	1.80	M	3		REVERSED
		100.0	20.0	160	2.00	M	3	6.51	S(B), SF, DE, DM
	YELLOWFIN TUNA	137.0	36.0	230	1.40	F	3	0.99	DM
		130.0	38.0	135	1.73	F	1	36.36	SQ, SF, TH, DM
		129.0	36.0	170	1.68	F	2	32.57	SQ, SF, DE, DM
		125.0	30.0	85	1.54	F	1	19.66	S(B), SF, DM, PL
		123.5	29.0	79	1.54	F	1	1.29	S(B), CR, DM
		123.0	30.0	86	1.61	F	1	14.92	SQ, SF, AM, DM
		123.0	27.5	82	1.48	F	2	50.84	SQ, FB, SF, AM, TH, DM, PU
		123.0	27.0	95	1.45	F	1	6.71	S(B), SF, DE, TH, DM
		122.0	32.0	95	1.76	F	2	18.52	SQ, SF, DM

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		121.5	31.5	180	1.76	F	3	38.46	S(B), SQ, SF, DE, TH, DM
		66.0	4.5	7	1.57	F	1	22.45	SQ, SF, DE, DM
		63.5	3.0	1	1.17	F	1	81.02	SQ, SF, DE, TH, DM
		62.0	4.0	2	1.68	F	1	3.31	SF, CR, AM, TH, DM, PU
		145.0	50.0	150	1.64	M	4	56.56	S(B), SQ, PL, SF, DE, AM, TH, DM
		136.0	44.0	60	1.75	M	2	1850.00	S(B), SK
		133.0	37.0	40	1.57	M	4	41.33	SQ, SF, TH, DM
		130.0	30.0	15	1.37	M	1	10.43	S(B), SQ, SF, FB, DM
		128.0	30.0	25	1.43	M	1	26.33	S(B), SQ, SF, DE, TH, DM
		128.0	29.0	23	1.38	M	1	14.82	S(B), SQ, SF, DM, TH
		125.0	25.5	15	1.51	M	1	0.12	LM
		124.5	32.0	30	1.66	M	1	16.70	S(B), SF, TH, DM
		123.0	34.0	33	1.83	M	2	960.00	S(B), SK
		121.0	28.0	5	1.58	M	1	18.52	S(B), SQ, SF, DE, DM
		120.0	25.0	20	1.45	M	1	39.65	SQ, SF, AM, TH, DM
		113.0	21.5	3	1.49	M	1	20.96	S(B), SQ, SF, EU, TH, DM
		108.0	19.0	5	1.51	M	1	33.56	SQ, SF, DE, TH, DM
		85.0	9.5	3	1.55	M	1	1.14	DM
		64.0	3.5	2	1.34	M	1	66.00	SQ, SF, DM
	BLACK MARLIN	167.0	55.0	180	1.18	M	2		REVERSED
L05	ALBACORE	107.0	22.0	500	1.80	F	3	15.64	SF, DE, AM, TH, DM
		102.0	21.5	120	2.03	M	2	21.81	SQ, SF, AM, DM
		100.0	18.0	76	1.80	M	2	32.43	SQ, PL, SF, DE, AM, DM
	YELLOWFIN TUNA	129.0	27.0	90	1.26	F	2	3.23	FB, DM
		123.0	28.2	106	1.52	F	1	228.27	SQ, PL, SF, AM, DM, SK
		102.0	26.0	79	2.45	F	2	104.09	S(B), SQ, PL, SF, AM, DM
		137.0	40.0	37	1.56	M	1	7.98	SQ, SF, DE, DM
	BIGEYE TUNA	91.0	14.0	30	1.86	F	1	0.41	DM
		89.0	13.0	25	1.84	M	1	3.83	S(B), SF, CR, DM
	SHORTBILL SPEARFISH	141.0	15.0	2300	0.54	F	4	1.82	DE, DM
		185.0	22.0	47	0.35	M	1	22.39	PL, SF, DM
L06	ALBACORE	122.0	22.0	80	1.21	F	1	6.30	SQ, SF, DE, DM
		104.0	18.0	340	1.60	F	3	74.85	SQ, PL, SF, FB, AM, TH, ST, DM
		101.0	22.0	338	2.14	F	3	1.54	S(B), SQB, SF, DM
		192.0	23.0	205	0.32	M	4	50.84	SQ, SF, AM, DE, TH, DM
		113.0	29.0	270	2.01	M	3	6.82	PL, SF, DE, AM, ST, DM, PU
		111.0	27.0	210	1.97	M	3	13.51	SQ, SF, DE, ST, TH, DM
		111.0	25.0	210	1.83	M	5	23.76	S(B), SQ, SF, ST, DM
		109.0	24.5	140	1.89	M	3	26.39	S(B), SQ, SF, DE, AM, ST, DM
		109.0	22.0	260	1.70	M	4	10.39	S(B), SF, DE, DM
		108.0	23.5	200	1.87	M	3	59.46	SQ, SF, AM, DE, EU, ST, TH, DM
		108.0	23.0	115	1.83	M	3	25.29	S(B), SQ, SF, AM, DE, DM
		106.0	22.0	120	1.85	M	2		REVERSED
		106.0	20.0	100	1.68	M	-		REVERSED
		105.0	20.3	120	1.75	M	1	23.99	SQ, SF, DE, ST, DM
		104.0	23.0	95	2.04	M	3	12.24	S(B), SQ, SF, DE, ST, DM
		104.0	20.0	110	1.78	M	3		REVERSED
	YELLOWFIN TUNA	122.0	27.0	105	1.49	F	1	63.72	S(B), SQ, FB, SF, TH, DM
		122.0	22.0	80	1.21	F	1	4.70	SQ, SF, TH, DM
		133.5	35.0	20	1.47	M	1	38.86	PL, SF, DE, TH, DM
		132.0	34.0	20	1.48	M	1	89.65	SQ, PL, SF, AM, TH, DM
		131.0	34.0	20	1.51	M	1	1.25	DM
		124.0	28.0	20	1.47	M	1	84.06	SQ, SF, DE, DM
	STRIPED MARLIN	203.0	83.0	4800	0.99	F	5		REVERSED
		196.0	82.0	109	1.09	F	1		NOT EXAMINE
		192.0	79.0	5000	1.12	F	5		REVERSED
	BLACK MARLIN	165.0	60.0	275	1.34	F	1	7.88	SF, DM
		162.0	42.0	100	0.99	M	1	13.82	SF, DM
L07	ALBACORE	84.5	18.0	180	2.98	F	2	0.28	DM
		101.0	20.0	110	1.94	M	3		REVERSED
	STRIPED MARLIN	202.0	105.0	7200	1.27	F	3		REVERSED
		205.0	72.0	140	0.84	M	1	17.67	S(B), SQ, SF, FB, DM
		190.0	77.0	220	1.12	M	1		REVERSED
		182.0	70.0	140	1.16	M	1	12.94	SF, CR, DM
	BLACK MARLIN	165.0	55.0	420	1.22	M	3	892.44	SQ, SK, FB, DM
L08	ALBACORE	105.0	22.0	135	1.90	M	2	41.82	SQ, SF, DE, AM, DM
	YELLOWFIN TUNA	131.0	37.5	300	1.67	F	2	23.10	SQ, SF, AM, TH, DM
		108.0	35.0	120	2.78	F	2	88.18	SQ, FB, SF, TH, DM
		152.0	60.0	300	1.71	M	3	7.99	SQ, SF, DM
		149.0	59.0	200	1.78	M	3	86.69	SQ, SF, DM

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
	BIGEYE TUNA	62.0	4.0	3	1.68	M	1	19.30	SQ, SF, DE, AM, DM
	SWORDFISF	181.0	100.0	4400	1.69	F	5	131.84	S(B), C, DM
L09	ALBACORE	104.0	20.0	450	1.78	F	5	108.94	SQ, PL, SF, DE, AM, TH, DM, PU
		94.0	16.5	200	1.99	F	3	11.03	SQ, SF, CR, TH, DM
		110.0	22.0	120	1.65	M	3		REVERSED
		107.0	22.0	120	1.80	M	2	17.31	S(B), SQ, SF, TH, DM
		101.0	19.2	100	1.86	M	1	38.28	S(B), SQ, SF, DE, TH, DM
		98.0	17.8	94	1.89	M	2	103.37	S(B), SQ, SK, SF, DE, AM, DM
		97.0	17.8	130	1.95	M	1	15.17	SQ, SF, DE, DM
	YELLOWFIN TUNA	188.0	13.0	40	0.20	F	1	4.28	SQ, SF, TH, DM
		106.0	18.5	50	1.55	F	1	1.98	DM
		144.0	56.0	90	1.88	M	2	24.96	SQ, SF, DM
		126.0	29.3	30	1.46	M	1	2.16	SF, TH, DM
		123.0	30.0	30	1.61	M	1	23.03	SQ, SF, DM
	BIGEYE TUNA	* 131.0	42.5	150	1.89	F	1	37.31	SQ, SF, DE, DM
		119.0	31.0	160	1.84	F	1	36.21	S(B), SQ, PL, SF, DE, DM
		101.0	14.7	18	1.43	F	1	52.81	SQ, SF, PL, DM
		87.0	12.4	8	1.88	F	1	50.53	SQ, SF, PL, DM
		120.0	33.0	47	1.91	M	2	95.03	SQ, PL, SF, DE, EU, DM
		62.0	4.2	5	1.76	M	1	16.48	S(B), SQ, SF, DM, PU
L10	ALBACORE	100.0	20.3	453	2.03	F	5		REVERSED
		98.0	17.6	310	1.87	F	5	8.33	S(B), SQ, SF, DM
		112.0	26.5	205	1.89	M	3		REVERSED
		107.5	21.6	122	1.74	M	3		REVERSED
		107.0	22.0	180	1.80	M	3		REVERSED
		103.0	21.6	145	1.98	M	3	100.83	S(B), SQ, PL, SF, DE, EU, AM, DM
		103.0	19.0	210	1.74	M	3	13.58	S(B), SQ, SF, DE, AM, TH, DM
	YELLOWFIN TUNA	124.0	29.0	25	1.52	M	1	29.24	SQ, SF, TH, DM, PU
		104.0	18.6	20	1.65	M	1	83.95	SQ, SF, DM
	BLACK MARLIN	168.0	54.5	150	1.15	M	2	93.06	SQ, PL, SF, DM
L11	ALBACORE	109.0	22.0	140	1.70	M	3	29.60	S(B), SQ, SF, DE, TH, DM
		108.0	22.0	90	1.75	M	4		REVERSED
		104.0	20.0	70	1.78	M	1	9.11	S(B), SF, CR, DM
		102.0	19.5	125	1.84	M	3	5.63	S(B), SF, DE, ST, DM
		101.0	18.8	74	1.82	M	2		REVERSED
		100.0	17.0	190	1.70	M	2		REVERSED
		96.0	16.8	110	1.90	M	4	20.02	SQ, SF, DE, ST, AM, DM
	YELLOWFIN TUNA	141.0	40.0	180	1.43	F	1	48.98	SQ, SF, DM
		130.0	32.0	97	1.46	F	2	7.47	S(B), SQ, SF, DM
		122.0	27.5	130	1.51	F	3	122.89	SQ, SF, CR, DM
		107.0	19.5	40	1.59	F	1	34.31	S(B), SQ, SF, DE, TH, DM
		106.0	21.0	65	1.76	F	3	82.35	SQ, SF, CR, AM, TH, DM, PU
		144.0	47.0	130	1.57	M	4	16.44	S(B), SQ, SF, DE, AM, TH, DM
		138.0	40.0	70	1.52	M	2	34.11	S(B), SQ, SF, TH, DM
		136.0	37.0	40	1.47	M	1	2.26	FB, DM
		134.0	41.0	90	1.70	M	3	67.61	S(B), PL, SF, DE, ST, AM, TH, DM
		134.0	38.0	30	1.58	M	1		REVERSED
		133.0	37.0	100	1.57	M	3	3.84	SF, ST, AM, DM
		133.0	35.0	85	1.49	M	1	36.22	SQ, SF, DE, DM
		133.0	32.0	25	1.36	M	2	59.33	S(B), SQ, SF, CR, AM, TH, DM
		129.0	30.0	18	1.40	M	1	15.00	S(B), SQ, DM
		124.0	27.0	10	1.42	M	1	0.15	FB, TH, DM
		93.0	15.5	5	1.93	M	1	41.07	SQ, SF, DE, AM, TH, DM
	BIGEYE TUNA	136.0	45.0	250	1.79	F	2	31.16	SQ, FB, DM
	STRIPED MARLIN	204.0	74.0	4200	0.87	F	5	7.65	S(B), SQ, FB, DM, PU
L12	ALBACORE	100.0	17.0	300	1.70	F	3		REVERSED
		94.0	15.0	280	1.81	F	3	5.62	FB, CR, AM, TH, DM
		91.0	13.5	260	1.79	F	3	34.74	S(B), SQ, PL, SF, DE, AM, TH, DM
		108.0	22.0	145	1.75	M	3	5.66	SQ, SF, DM
		105.0	23.0	165	1.99	M	4	6.95	SF, AM, TH, DM
		101.0	21.0	180	2.04	M	3	52.11	SQ, PL, SF, AM, DE, TH, DM
		100.0	18.0	150	1.80	M	4	18.17	SQ, PL, SF, DE, AM, TH, DM
	YELLOWFIN TUNA	137.0	38.0	120	1.48	F	3	16.26	S(B), SF, AM, TH, DM
		130.0	35.0	48	1.59	M	3	82.42	S(B), SQ, SF, AM, TH, DM
		123.0	27.0	23	1.45	M	1	41.27	SQ, SF, AM, TH, DM
	STRIPED MARLIN	218.0	108.0	6400	1.04	F	4		REVERSED
		204.0	96.5	5900	1.14	F	4		REVERSED
		203.0	72.0	110	0.86	M	2		REVERSED
	SWORDFISH	190.0	103.0	6000	1.50	F	5	2.00	S(B), DM
L13	ALBACORE	99.0	17.5	170	1.80	F	3		REVERSED

NO.	SPECIES	F.L. (CM)	B.W. (KG)	G.W. (G)	C.F.	SEX	MAT.	STOMACH CONTENT WEIGHT(G)	CONTENT
		98.0	27.4	165	2.91	F	3	89.46	SQ, PL, SF, DM
		94.0	16.0	180	1.93	F	3		REVERSED
		108.0	22.4	135	1.78	M	3	20.48	PL, SF, AM, TH, DM
		108.0	22.0	90	1.75	M	3		REVERSED
		107.5	22.0	185	1.77	M	3		REVERSED
		107.0	22.5	110	1.84	M	3	21.38	SQ, SF, DE, TH, DM
		105.0	21.0	95	1.81	M	3	28.50	S(B), SQ, SF, EU, AM, TH, DM
		104.0	21.0	100	1.87	M	2	182.30	S(B), SQ, SF, DE, ST, AM, TH, DM
		104.0	20.5	120	1.82	M	3		REVERSED
		102.0	20.0	110	1.88	M	2	2.93	S(B), SF, DE, TH, DM
		101.5	19.0	140	1.82	M	3		REVERSED
		100.5	21.5	93	2.12	M	3	10.53	S(B), SQ, SF, DM
		95.0	18.0	90	2.10	M	3	4.11	SF, DE, AM, TH, DM
	YELLOWFIN TUNA	134.0	35.0	190	1.45	F	3	115.41	S(B), SQ, SF, PL, AM, TH, DM
		132.0	36.0	135	1.57	F	3	10.31	S(B), SQ, SF, DE, AM, TH, DM
		131.5	34.0	120	1.50	F	2	49.91	SQ, SF, PL, DE, TH, DM
		130.0	36.0	150	1.64	F	3	143.20	S(B), SQ, PL, SF, AM, DE, DM
		108.5	27.5	125	2.15	F	2	60.83	S(B), SQ, PL, SF, DE, AM, TH, DM
		105.0	30.0	95	2.59	F	2	23.35	S(B), SQ, SF, DE, DM
		103.0	28.0	90	2.56	F	2	25.18	SQ, SF, DE, AM, EU, TH, DM
		97.0	11.0	35	1.21	F	1	13.40	S(B), SF, DE, ST, AM, DM
		77.0	7.0	5	1.53	F	1	1.78	SF, DM
		141.0	42.0	40	1.50	M	3	28.12	S(B), SQ, PL, SF, CR, DM
		137.0	37.0	20	1.44	M	2	32.65	S(B), SQ, SF, DE, AM, TH, DM
		136.0	40.0	102	1.59	M	1	4.68	DM
		134.0	41.0	50	1.70	M	1		REVERSED
		132.0	39.0	29	1.70	M	1	105.26	S(B), SQ, PL, SF, DE, AM, TH, DM
		132.0	34.0	40	1.48	M	1	65.81	S(B), SQ, SF, DE, TH, DM
		130.0	34.0	40	1.55	M	2	10.05	SF, CR, DM
		128.0	33.0	35	1.57	M	2	72.16	SQ, PL, SF, DE, AM, TH, DM
		124.0	33.0	45	1.73	M	2	23.13	S(B), SQ, SF, DE, ST, TH, DM
		123.0	27.0	10	1.45	M	1	77.77	SQ, SF, AM, DM
		116.0	29.0	15	1.86	M	1	18.02	SQ, SF, DM
	STRIPED MARLIN	187.0	67.0	200	1.02	F	1	2.49	DM
		186.0	66.0	150	1.03	F	1	11.08	S(B), SQ, SF, AM, DM
L14	ALBACORE	97.0	17.0	185	1.86	F	3	33.06	SQ, PL, SF, AM, DM
		106.0	21.5	130	1.81	M	2	14.95	S(B), SQ, SF, DE, AM, DM
		102.0	20.0	75	1.88	M	3	2.57	DM,
		94.5	18.5	160	2.19	M	3	19.61	S(B), SQ, PL, SF, EU, AM, DM
	YELLOWFIN TUNA	162.0	76.0	750	1.79	F	3	122.73	S(B), SQ, SF, PL, DM
		143.0	45.0	140	1.54	F	5	79.14	SQ, SF, DE, DM
		129.0	32.0	100	1.49	F	2	42.20	SF, AM, DE, TH, DM
		141.0	48.0	90	1.71	M	3	72.34	S(B), SQ, FB, PL, SF, AM, TH, DM
		128.0	32.0	55	1.53	M	2	95.57	SQ, SF, AM, TH, DM
		124.0	26.0	22	1.36	M	1	6.40	SF, AM, TH, DM
	BIGEYE TUNA	127.0	37.5	35	1.83	M	1	485.36	SQ, SK, DM
		102.0	19.4	10	1.83	M	1	55.90	S(B), SQ, SF, DE, DM
	SHORTBILL SPEARFISH	139.0	15.4	2000	0.57	F	4	22.59	SQ, SF, DM
	BLACK MARLIN	151.0	38.5	115	1.12	M	2	14.87	PL, SF, DM
L15	ALBACORE	103.0	20.0	317	1.83	F	3	3.33	FB, DE, AM, TH, DM
		100.0	20.6	225	2.06	F	3	0.27	SF, DM
		99.0	19.5	240	2.01	F	4	4.61	SF, DE, DM
		106.5	23.0	130	1.90	M	3	22.19	SQ, FB, DE, DM
		105.5	21.5	230	1.83	M	3	7.95	SF, DE, AM, TH, DM
		103.0	19.3	110	1.77	M	4		REVERSED
	YELLOWFIN TUNA	136.5	40.0	40	1.57	F	1	42.41	S(B), SQ, PL, SF, AM, TH, DM
		123.0	29.0	28	1.56	M	4	124.29	S(B), SQ, SF, DM
	STRIPED MARLIN	197.0	83.0	150	1.09	F	1		NOT EXAMINE
		208.0	103.0	240	1.14	M	2		REVERSED
		197.0	90.0	120	1.18	M	2		NOT EXAMINE
		195.0	89.0	190	1.20	M	2	431.41	S, PL, SF, ST, TH, DM
		194.0	77.0	180	1.05	M	1	54.33	S(B), SQ, PL, SF, DM
		191.0	85.0	205	1.22	M	2	62.17	PL, SF, DE, DM
		190.0	73.0	160	1.06	M	2	4.88	S(B), AM, TH, DM
		189.0	73.0	165	1.08	M	2	9.18	SF, DM, PU
		187.0	74.0	135	1.13	M	1	1.00	S(B), DM
	SWORDFISH	209.0	137.0	5000	1.50	F	-		NOT EXAMINE
		132.0	39.0	115	1.70	F	1	9.29	S(B), DM
	SHORTBILL SPEARFISH	132.0	10.0	86	0.43	F	2	94.86	S(B), SF, PL, AM, DM
		136.5	12.0	25	0.47	M	1	7.97	S(B), SF, DM

* : Snapped by shark

PART III. CRUISES TO ADJACENT SEAS TO JAPAN

1

THE "OSHORO MARU" CRUISE 44 TO THE EAST CHINA SEA IN APRIL 1972

1. Cruise Itinerary

Departure from Hakodate	Apr. 12, 1972
Anchorage at Miyazu for landing a patient	14
Starting hydrographic cast (OS 72001) and trawl fishing (OST 7201)	16
Finishing hydrographic cast (OS 72013) and trawl fishing (OST 715)	20
Arrival at Saigo	23
Departure from Saigo	24
Return to Hakodate	26

Total coverage 2,940.1 miles, a day in port and 14 days at sea

2. Vessel Personnel

Captain:		Associate Professor	Takeji Fujii
Crew:	Chief Officer	Associate Professor	Shoichi Yamamoto
	First Officer	Associate Professor	Kiyoshi Masuda
	Second Officer	Research Associate	Kiyohiko Ishii
	Third Officer	Research Associate	Kunisaburo Yoneta
	Chief Engineer	Research Associate	Shoichi Tomisawa
	First Engineer		kenzo Omi
	Second Engineer		Ichiro Kataoka
	Third Engineer		Tetsusaburo Inomata
	Chief Radio Operator		Mitsuo Kurotori
	Junior Radio Operator		Tetsuya Nakamura
	Purser		Akira Togashi
	and 26 men		
Cadets:	35 cadets, Department of Fishing Science		
Total:	73 persons		

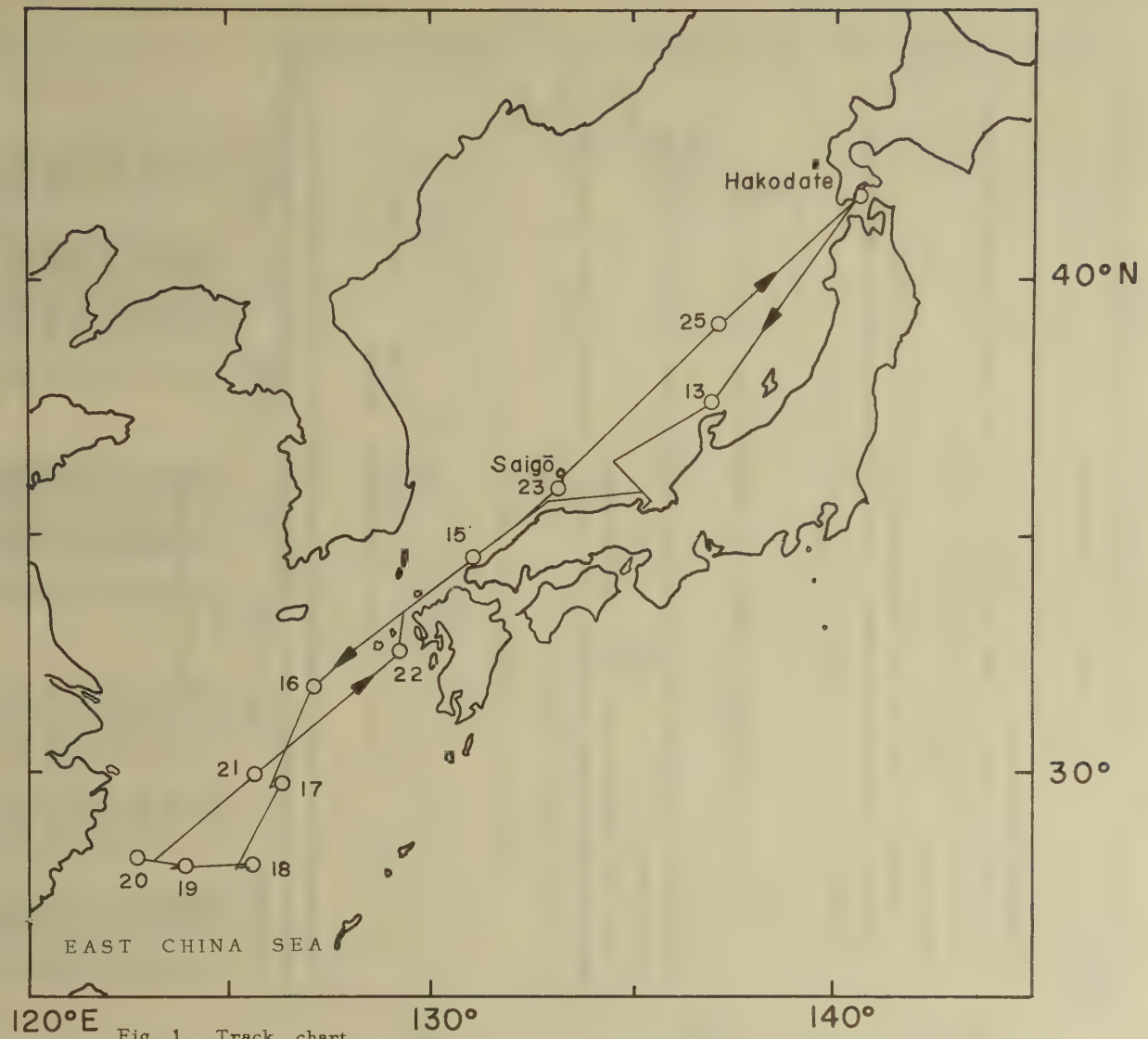


Fig. 1 Track chart.

3. Items of Observation

Hydrographic observation:

Temperature measurement and sampling of water for salinity, covering the depth from the surface down to the bottom at 13 stations.

Trawl fishing:

15 operations in the shallow fishing grounds of the East China Sea.

Weighing of catch and measurement of biological characteristics of each species caught.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Oshoro Maru"

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations.

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 72001	31-54N	127-00E	Apr.16	1105-1144	Apr.16	0205-0244	Loran
OS 72002	29-38N	126-00E	17	0757-0820	16	2257-2320	Loran
OS 72003	29-43N	126-11E	17	1743-1805	17	0843-0905	Loran
OS 72004	29-00N	125-44E	17	2210-2241	17	1310-1341	Loran
OS 72005	27-58N	125-10E	18	0545-0630	17	2045-2130	Loran
OS 72006	28-00N	125-31E	18	1045-1106	18	0145-0206	Loran
OS 72007	28-00N	125-50E	18	1520-1552	18	0620-0652	Loran
OS 72008	27-56N	123-35E	19	0558-0633	18	2058-2133	Loran
OS 72009	27-55N	123-52E	19	1040-1102	19	0140-0202	Loran
OS 72010	28-00N	124-12E	19	1501-1535	19	0601-0635	Loran
OS 72011	28-00N	124-35E	19	1907-1950	19	1007-1050	Loran
OS 72012	27-59N	122-30E	20	0550-0620	19	2050-2120	Loran
OS 72013	28-04N	122-44E	20	0950-1010	20	0050-0110	Loran

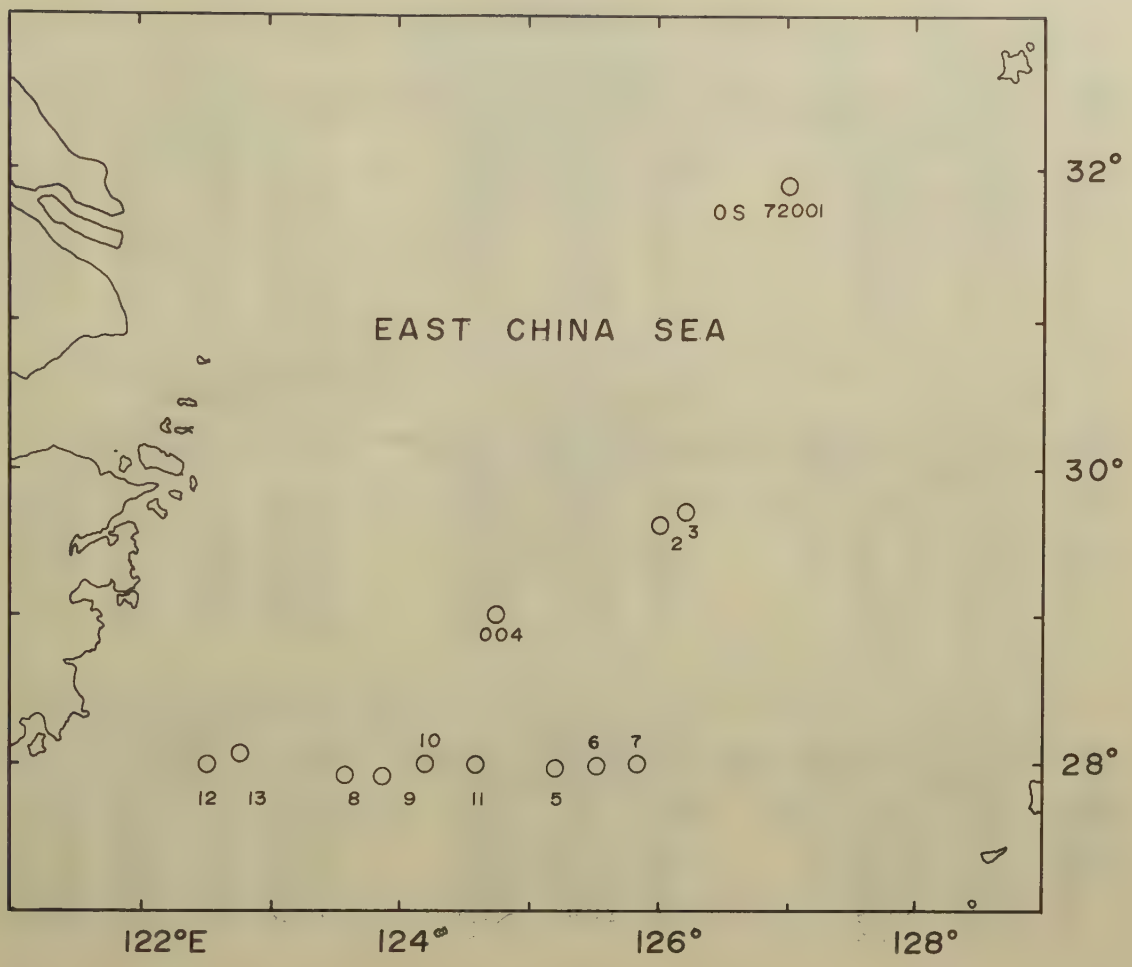


Fig. 2 Oceanographic stations.

Table 2. Oceanographic data.

STATION OS72001

LATITUDE 31-54 N LONGITUDE 127-00 E DATE 72-04-16 02.1 (GMT) DEPTH 117 COL. TR.
SEA 16 2A SWELL 14 1A WIND 16 02F AIR TEMP. DRY 14.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	17.20	34.56		0	17.20	34.56		25.15	282	282	0.000
9	16.92	34.56		10	16.83	34.56		25.24	274	274	0.028
18	16.07	34.58		20	15.98	34.58		25.45	254	254	0.054
28	15.79	34.59		30	15.75	34.59		25.51	248	249	0.079
46	15.52	34.59		50	15.48	34.59		25.57	242	243	0.129
69	15.27	34.60		75	15.16	34.60		25.64	235	237	0.189
92	14.85	34.58		100	14.76	34.58		25.72	228	231	0.248
111	14.69	34.57									

STATION OS72002

LATITUDE 29-38 N LONGITUDE 126-00 E DATE 72-04-17 22.9 (GMT) DEPTH 117 COL. 01 TR. 16
SEA 16 2A SWELL 14 1A WIND 16 02F AIR TEMP. DRY 17.6 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	16.40	34.56		0	16.40	34.56		25.34	264	264	0.000
10	16.30	34.55		10	16.30	34.55		25.35	263	263	0.026
20	15.48	34.59		20	15.48	34.59		25.57	242	243	0.052
29	15.31	34.58		30	15.27	34.58		25.61	239	239	0.076
49	14.50	34.59		50	14.48	34.59		25.79	222	223	0.122
74	14.26	34.60		75	14.25	34.60		25.84	216	218	0.177
98	14.20	34.61									

STATION OS72003

LATITUDE 29-43 N LONGITUDE 126-11 E DATE 72-04-16 08.7 (GMT) DEPTH 75 COL. 04 TR. 12
SEA SWELL 18 1A WIND CALM AIR TEMP. DRY 18.8 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	17.40	34.56		0	17.40	34.56		25.10	287	287	0.000
10	16.73	34.57		10	16.73	34.57		25.27	271	271	0.028
20	15.92	34.59		20	15.92	34.59		25.47	252	252	0.054
30	14.58	34.57		30	14.58	34.57		25.75	225	226	0.078
49	14.11	34.58		50	14.09	34.58		25.86	214	216	0.122
70	13.94	34.59									

STATION OS72004

LATITUDE 29-00 N LONGITUDE 125.44 E DATE 72-04-17 13.2 (GMT) DEPTH 109 COL. TR.
SEA SWELL 18 1A WIND 14 01F AIR TEMP. DRY 19.5 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	19.60	34.53		0	19.60	34.53		24.53	341	341	0.000
10	19.06	34.56		10	19.06	34.56		24.69	326	326	0.033
20	18.41	43.48		20	18.41	43.48		31.69	-335	-335	0.033
30	17.85	43.48		30	17.85	43.48		31.84	-349	-348	-0.001
50	15.74	43.48		50	15.74	43.48		32.36	-399	-397	-0.076
75	13.71	43.47		75	13.71	43.47		32.83	-442	-440	-0.180
100	13.25	43.49		100	13.25	43.49		32.95	-453	-450	-0.292

STATION OS72005

LATITUDE 27-58 N LONGITUDE 125-12 E DATE 72-04-18 20.7 (GMT) DEPTH 108 COL. 04 TR. 11
SEA SWELL 14 1A WIND CALM AIR TEMP. DRY 17.7 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	15.30	32.43		0	15.30	32.43		23.95	397	396	0.000
10	13.27	32.67		10	13.27	32.67		24.56	339	339	0.037
20	12.23	32.92		20	12.23	32.92		24.95	301	301	0.069
29	14.40	33.76		30	14.37	33.80		25.20	277	278	0.098
49	13.81	33.88		50	13.75	33.88		25.39	259	260	0.152
74	12.45	33.84		75	12.42	33.84		25.63	237	238	0.214
98	12.44	33.89									

STATION OS72006

LATITUDE 28-00 N LONGITUDE 125-31 E DATE 72-04-18 01.7 (GMT) DEPTH 112 COL. 04 TR. 13
SEA SWELL 16 1A WIND 10 01F AIR TEMP. DRY 20.2 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	15.10	32.45		0	15.10	32.45		24.01	391	391	0.000
10	13.50	32.74		10	13.50	32.74		24.57	338	338	0.036
20	13.54	32.90		20	13.54	32.90		24.68	327	327	0.070
30	13.48	33.26		30	13.48	33.26		24.97	299	300	0.101
50	14.43	33.88		50	14.43	33.88		25.25	273	274	0.159
74	12.84	33.84		75	12.85	33.86		25.56	243	245	0.224
99	13.33	34.24		100	13.33	34.25		25.76	224	226	0.283
109	13.26	34.27									

STATION OS72007

LATITUDE 28-00 N LONGITUDE 125-50 E DATE 72-04-18 06.3 (GMT) DEPTH 117 COL. 04 TR. 14
SEA 15 3A SWELL 18 1A WIND 15 03F AIR TEMP. DRY 22.1 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	22.00	34.50		0	22.00	34.50		23.86	405	405	0.000
10	21.93	34.50		10	21.93	34.50		23.88	403	403	0.040
20	20.74	34.51		20	20.74	34.51		24.21	372	372	0.079
29	19.50	34.50		30	19.42	34.51		24.56	339	339	0.115
49	18.28	34.63		50	18.19	34.63		24.96	300	302	0.179
73	16.48	34.61		75	16.44	34.62		25.37	261	263	0.250
97	16.05	34.57		100	15.73	34.53		25.47	252	255	0.315
114	13.47	34.26									

STATION OS72008

LATITUDE 27-56 N LONGITUDE 123-35 E DATE 72-04-19 20.9 (GMT) DEPTH 92 COL. 05 TR. 09
SEA 16 2A SWELL 22 1A WIND 18 03F AIR TEMP. DRY 17.5 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	15.80	32.96		0	15.80	32.96		24.25	368	368	0.000
10	15.38	33.06		10	15.38	33.06		24.42	352	352	0.036
19	15.39	33.42		20	15.38	33.43		24.70	325	325	0.070
28	15.23	33.44		30	15.12	33.43		24.76	320	320	0.102
47	14.34	33.37		50	14.42	33.39		24.88	308	309	0.165
69	14.94	33.57		75	14.99	33.59		24.91	305	307	0.242
83	14.97	33.59									

STATION OS72009

LATITUDE 27-55 N LONGITUDE 123-52 E DATE 72-04-19 01.7 (GMT) DEPTH 96 COL. 05 TR. 10
SEA 19 2A SWELL 16 1A WIND 19 03F AIR TEMP. DRY 18.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	16.40	33.05		0	16.40	33.05		24.18	375	374	0.000
10	15.65	33.10		10	15.65	33.10		24.39	355	355	0.037
19	14.29	33.17		20	14.25	33.18		24.75	320	320	0.070
29	14.30	33.32		30	14.33	33.34		24.85	310	311	0.102
49	14.94	33.59		50	14.95	33.60		24.92	304	305	0.164
73	15.06	33.66		75	15.07	33.66		24.95	302	303	0.240
87	15.10	33.67									

STATION OS72010

LATITUDE 28-00 N LONGITUDE 124-12 E DATE 72-04-19 06.0 (GMT) DEPTH 102 COL. 05 TR. 11
SEA 22 2A SWELL 19 1A WIND 22 03F AIR TEMP. DRY 17.7 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	14.80	32.37		0	14.80	32.37		24.01	391	390	0.000
9	13.87	32.34		10	13.77	32.37		24.23	370	370	0.038
18	13.07	32.67		20	12.92	32.69		24.64	330	330	0.073
27	12.54	32.74		30	12.66	32.81		24.79	317	317	0.106
46	13.29	33.22		50	13.09	33.25		25.04	292	293	0.167
69	12.13	33.34		75	12.03	33.41		25.37	261	263	0.236
91	12.16	33.67									

STATION OS72011

LATITUDE 28-00 N LONGITUDE 124-35 E DATE 72-04-19 10.1 (GMT) DEPTH 100 COL. TR. 08
SEA 23 2A SWELL 19 1A WIND 23 03F AIR TEMP. DRY 20.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	13.90	31.95		0	13.90	31.95		23.88	404	403	0.000
10	13.42	31.92		10	13.42	31.92		23.95	397	397	0.040
20	12.86	32.11		20	12.86	32.11		24.21	372	372	0.079
29	13.36	33.26		30	13.32	33.32		25.05	292	292	0.112
49	12.21	33.73		50	12.25	33.76		25.60	239	240	0.165
74	13.23	34.44		75	13.22	34.45		25.94	207	209	0.221
99	11.93	34.36									

STATION OS72012

LATITUDE 27-59 N LONGITUDE 122-30 E DATE 72-04-20 20.8 (GMT) DEPTH 80 COL. TR. 08
SEA 23 2A SWELL 19 1A WIND 23 03F AIR TEMP. DRY 20.3 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	18.10	31.78		0	18.10	31.78		22.81	505	505	0.000
10	20.11	34.01		10	20.11	34.01		24.00	392	392	0.045
20	19.59	34.06		20	19.59	34.06		24.17	375	376	0.083
29	19.03	34.19		30	18.96	34.20		24.44	350	351	0.120
49	17.84	34.25		50	17.79	34.25		24.77	318	320	0.187
73	16.96	34.32									

STATION OS72013

LATITUDE 28-04 N LONGITUDE 122-44 E DATE 72-04-20 00.8 (GMT) DEPTH 76 COL. 05 TR. 10
SEA 36 4A SWELL 35 1A WIND 36 03F AIR TEMP. DRY 15.5 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	18.00	32.19		0	18.00	32.19		23.15	473	473	0.000
8	18.81	32.71		10	19.03	32.99		23.50	440	440	0.046
16	19.51	33.82		20	19.49	34.03		24.17	375	376	0.087
24	19.32	34.10		30	18.77	34.05		24.37	356	357	0.123
39	17.94	33.97		50	17.57	34.04		24.66	329	330	0.192
59	17.66	34.19									

5. Data on Trawl Fishing

Stern trawling was carried out 15 times in the eastern East China Sea during the period April 16 - 20, 1972.

Operation was supervised by the captain and officers, and all hands of crew and cadets were engaged in the work.

Catch was processed by deck officers, crew and cadets, and data of catch were recorded by the chief officer.

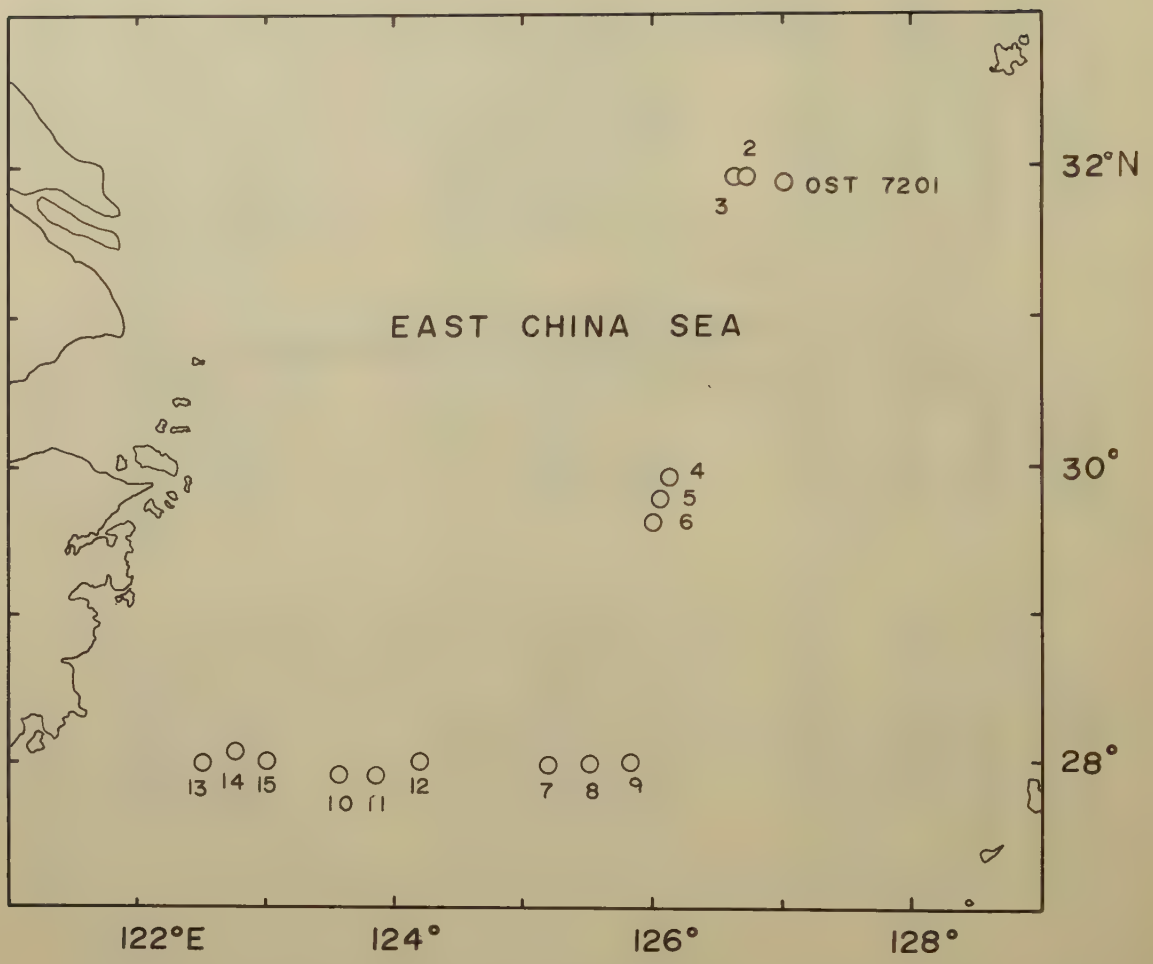


Fig. 3 Locations of trawl fishing.

Table 3 Data on trawl fishing.

No. of fishing	Date and time of net cast	Position Lat.(N)	Position Long.(E)	Direction of tow	Duration of tow	Speed of tow (Kt)	Depth of sea bottom (m)	Quality of bottom	Temperature (°C) Surface	Temperature (°C) Near bottom	W^r	Wind	
OST 7201	Apr. 16 1147	31-54	127-00	270	1^h 57^m	2.8	114	gy M.S	17.2	14.7	o	SSE	1
OST 7202	16 1430	31-56	126-43	270	2 00	3.2	113		16.9		o	SW	1
OST 7203	16 1711	31-56	126-38	270	1 30	4.1	109		16.3		c	SSE	2
OST 7204	17 0824	29-38	126-00	20	1 59	4.2	98		16.4	14.2	f	SSE	1
OST 7205	17 1103	29-47	126-03	20	2 00	3.7	90		15.1		f	SW	1
OST 7206	17 1408	29-56	126-08	220	3 00	4.0	75		15.5		f	SW	2
OST 7207	18 0634	27-58	125-12	20	2 00	3.5	108	f S	15.3	12.5	f	East	1
OST 7208	18 1107	28-00	125-30	20	2 00	4.0	112		15.1	13.4	f	SE	1
OST 7209	18 1646	28-00	125-50	20	1 28	4.2	117	f S	22.0	13.5	r	SSE	3
OST 7210	19 0636	27-56	123-35	20	2 00	3.8	92	gy M.S	15.8	15.0	o	SSE	3
OST 7211	19 1104	27-55	123-52	20	2 03	4.1	98		16.4	15.1	f	South	3
OST 7212	19 1538	28-00	124-12	30	1 44	4.0	100		14.8	12.2	f	SW	3
OST 7213	20 0635	27-59	122-30	20	2 00	4.0	77	gy M.S	18.1	17.0	c	WSW	3
OST 7214	20 1013	28-04	122-44	10	2 01	2.8	79		18.0	17.6	o	North	6
OST 7215	20 1414	28-00	123-00	190	2 06	4.2	83		17.9		c	North	7

W^r : Weather

Table 4 Data on catches by trawl fishing in kg per haul.

Species	Gyoshu	7201	7202	7203	7204	7205
Lamniformes	Same				2.5	
Rajiformes	Gangiei				8.0	5.5
Synodontidae	Eso	0.9			0.5	1.0
Muraenesox cinereus	Hamo			1.7		
Aulostomicae	Yagara				0.5	0.3
Monocentris japonicus	Matsukasauo					
Zeus japonicus	Matoudai	8.0	2.3	2.4	1.5	4.0
Scomder japonicus	Saba	2.0			0.5	
Scomberomorus spp.	Sawara	13.0		1.0	4.0	
Trichiurus lepturus	Tachiuo	19.0	11.0	7.0	15.0	4.0
Caranginae	Aji	32.0	0.3		0.5	
Caranx spp.	Kaiwari	0.1				
Psenopsis anomala	Ibodai				0.5	
Pampus argenteus	Managatsuo	20.0	4.2	23.0	162.0	12.0
Branchiostegus spp.	Amadai			0.4		
Priacanthus spp.	Kintokidai	2.8	0.7		13.0	3.0
Doderleinia berycoides	Akamutsu	1.6	1.5	0.1	0.9	0.5
Argyrosomus spp.	Ishimochi	1.7	2.8	6.8	0.2	1.6
Argyrops spinifer	Taiwandai				0.2	
Taius tumifrons	Kidai		0.5		1.6	0.5
Nemipterus spp.	Itoyoridai					
Uranoscopus japonicus	Mishimaokoze	0.4	3.5	0.9		
Hoplobrotula armata	Yoroiitachiuo	2.3	1.6		3.5	2.2
Navodon modestus	Umazurahagi	1.5	0.2		3.0	6.0
Ostraciontidae	Hakofugu					
Fugu spp.	Fugu				3.5	1.5
Scorpaenidae	Kasago	0.1	0.9	0.2		0.5
Platycephalicae	Kochi			0.5		
Lepidotrigla sp.	Kanagashira	0.7	1.2			
Dactyloptena spp.	Semihoobo					
Pleuronectida	Karei	0.6	0.1			
Lophiidae	Anko	3.0	5.5	2.1	1.0	2.1
Halieutaea stellata	Akagutsu	0.9	1.8	1.4	0.5	
Decapoda	Ika	3.9	4.0	5.2	2.4	2.0
Ibacus ciliatus	Uchiwaebi	2.7	1.2	0.3	0.3	
Linuparus trigonus	Hakoebi	8.0	13.5	1.3		
Boachyura	Kani	1.3	3.3	6.7		
	Others	0.2	2.5	1.2	0.7	12.2
	Total	126.7	62.6	62.2	226.3	58.9

7206	7207	7208	7209	7210	7211	7212	7213	7214	7215
	3.8	31.0	5.7		1.5			2.2	
15.0		16.0	8.5	81.0	8.8	4.0	1.0	0.9	7.0
0.2	8.0	10.0		1.0	1.7			0.7	3.1
	7.2	3.8		4.6	1.3				3.9
	0.4	1.8	2.1						
	13.0	4.0	2.0						
4.5	2.5	7.9	2.2	2.6	3.6	0.8	1.3	0.3	2.5
	1.1	0.7		8.0	26.0	0.3		4.3	63.0
					10.0			1.0	4.7
9.0	4.1	0.7		10.0	40.0	64.0	89.0	51.0	12.0
		0.2	0.7	1.0	0.3	0.2	0.7		14.0
		0.8	2.3				0.5	0.5	
		0.1					0.4		
6.5	30.0	40.0		9.0	16.0	18.0	9.0	3.6	7.0
		1.0	0.7			0.7	1.0	1.2	
6.2	7.0	173.0	8.5	2.0	1.2	0.2	4.3	3.2	5.1
1.3	0.7								
2.7	0.2			2.5	1.4	1.0	0.4	0.4	0.2
									0.1
0.7	9.0	1.3	0.5	1.3	3.4	0.6	1.1		1.8
				0.7					
	2.3	4.8	2.5	1.1	0.8	0.4	1.1	0.6	
2.5	2.7					3.0			
5.7						0.4	0.6	1.4	3.0
		1.3	1.2						
3.9	1.1	59.8	61.2	0.6	2.2	1.0	4.4	1.4	
1.3	0.9						1.7	1.4	
0.2	4.6	3.6	4.4		1.7	0.4			
0.3	52.0	52.0	5.0	5.5	1.6	0.6	1.3	0.5	0.1
	10.0	8.0	7.0						
0.3	1.0	0.8	0.5	1.4	1.8	1.8		0.3	0.1
7.7	1.9	3.0		15.0	16.0		8.7	5.4	12.0
0.7	2.5	1.0		1.2	1.3			0.2	
5.6	1.9	3.4	3.1	36.3	10.6	1.5	10.4	6.3	1.9
	2.6	10.0	11.0						
	4.0		60.0	0.5			1.7	1.5	
4.4	39.2	6.7	0.6	8.0				0.6	1.1
78.7	213.7	446.7	189.7	193.3	151.2	98.9	138.6	88.9	142.6

2

THE "OSHORO MARU" CRUISE 46 TO THE EAST OF CAPE ERIMO, HOKKAIDO IN SEPTEMBER 1972

A short cruise was planned to conduct a shipboard training in hydrographic observations, plankton samplings and biological observations of trawl catch for the undergraduate students of biology course, and at the same time, to provide faculty members with an opportunity of making research on various fields.

1. Cruise Itinerary

Departure from Hakodate	1541	Sept.	6, 1972
Arrival at trawling OST 7222, 41°45'N, 143°16'E	0818		7
Departure from trawling OST 7228, 42°31'N, 143°52'E	1500		8
Arrival at Kushiro	0720		9
Departure from Kushiro	0621		10
Arrival at OS 72143, 42°50'N, 144°26'E	0716		
Departure from OS 72143	0920		
Arrival at OS 72144, 42°36'N, 144°50'E	1135		
Departure from OS 72144	1423		
Arrival at OS 72145, 42°24'N, 145°14'E	1645		
Departure from OS 72145	2300		
Return to Hakodate			12

2. Vessel Personnel

Crew:	Captain	Takeji Fujii and 36 men
Teaching Staff:	Professor (Laboratory of Marine Zoology)	Shun Okada
	Professor (Laboratory of Planktology)	Teruyoshi Kawamura
	Associate Professor (Laboratory of Marine Zoology)	Takao Igarashi
	Associate Professor (Laboratory of Planktology)	Takashi Minoda
	Research Associate (Laboratory of Marine Zoology)	Kunio Amaoka
	Research Associate (Laboratory of Planktology)	Akira Taniguchi
Other Staff:	Graduate Student (Doctor's Course)	Kazuhiro Nakaya
	Graduate Student (Doctor's Course)	Tohru Sasaki
	Graduate Student (Doctor's Course)	Akio Koyama
	Graduate Student (Master's Course)	Hiroyuki Yanagawa
	Graduate Student (Master's Course)	Takeshi Shimizu
	Undergraduate Student	Jiro Seki
Undergraduate Students (Trainees):		
	40 students including 1 girl student, Department of Biology and Aquiculture, Faculty of Fisheries	
Total:	89 persons	

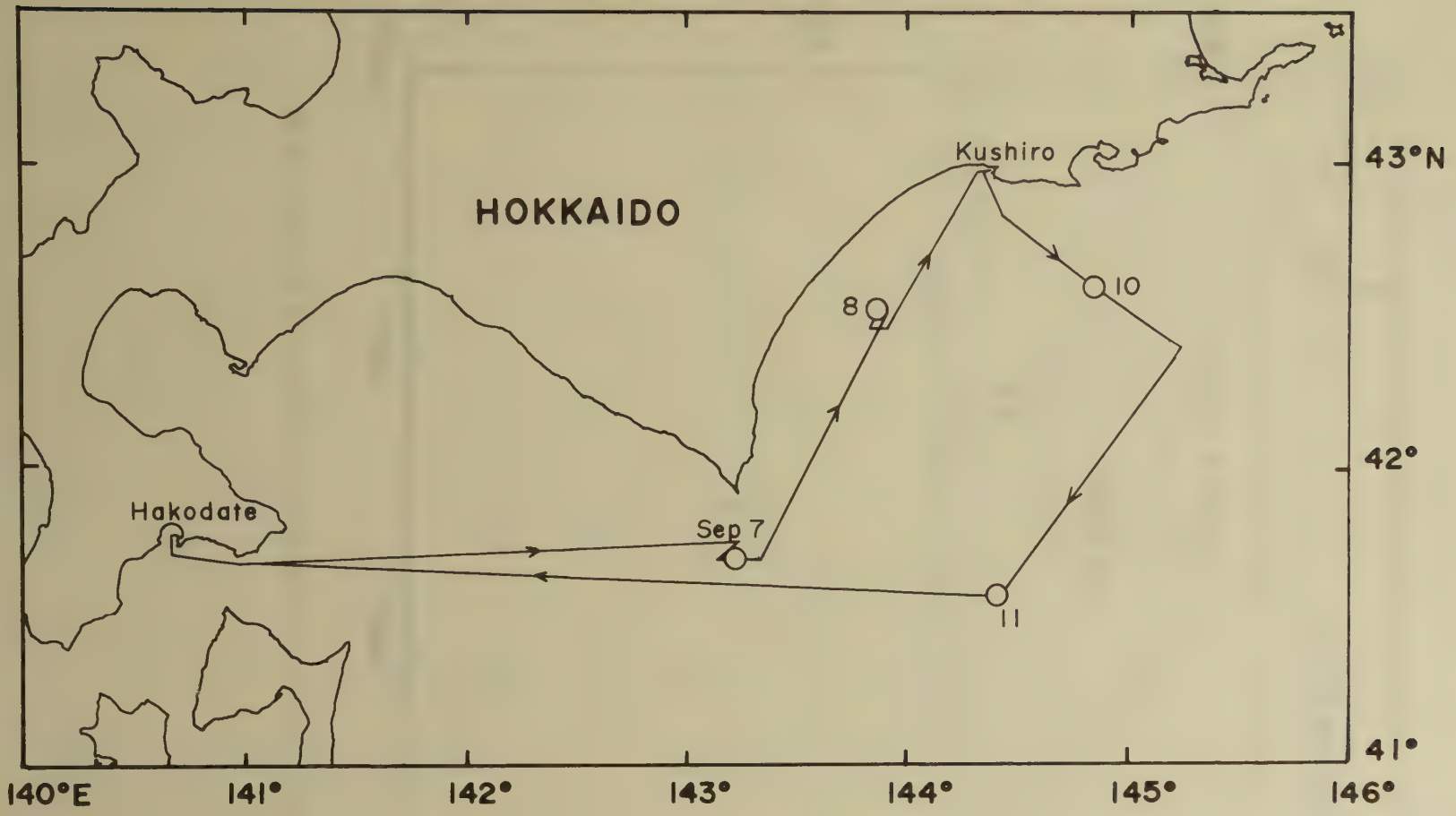


Fig. 1. Track chart

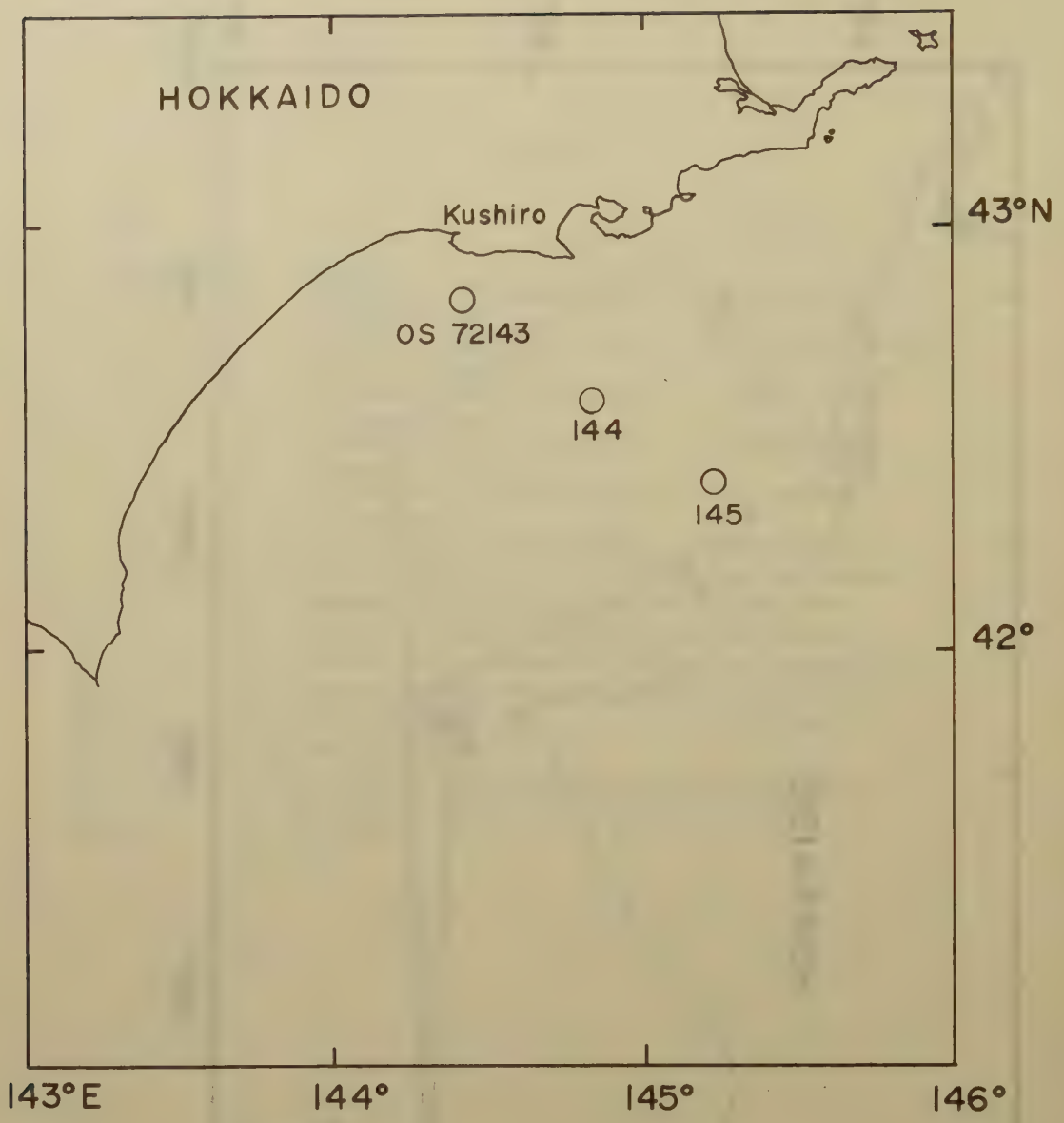


Fig. 2. Locations of oceanographic observation at the east of Erimo

3. Items of Training

Hydrographic cast, plankton sampling and biological observations of trawl catches.

4. Items of Observation

Zooplankton communities in the Oyashio region (A. Koyama and J. Seki)
Bottom fauna of fish and large invertebrates (Staffs of Laboratory of Marine Zoology)

5. Training Program

Sept. 7, 1972

OST 7222	0833-0930	Processing of trawl catch, 112 m in depth
OST 7223	1105-1205	Processing of trawl catch, 134-140 m in depth
OST 7224	1248-1330	Processing of trawl catch, 132-142 m in depth
OST 7225	1526-1625	Processing of trawl catch, 176 m in depth

Sept. 8, 1972

OST 7226	0650-0833	Processing of trawl catch, 112 m in depth

Sept. 10, 1972

OS 72143		
	0720-0750	Hydrographic cast, 0-75 m.
	0810-0823	Vertical hauls with Norpac Net, 75-0 m.
	0831-0920	Simultaneous horizontal tows with 6 MTD Closing Nets, 0-75 m.
OS 72144		
	1135-1253	Hydrographic cast, 0-800 m.
	1301-1314	Vertical hauls with Norpac Net, 150-0 m.
	1321-1424	Simultaneous horizontal tows with 10 MTD Closing Nets, 0-200 m.
OS 72145		
	1640-1825	Hydrographic cast, 0-1500 m.
	1832-1855	Vertical hauls with Norpac Net, 150-0 m.
	1950-2030	Flow-meter calibrations

Since the hydrographic winch had gone wrong, the trainings and researches on plankton which were proposed to carry out at the following 2 stations were cancelled.

6. Observation Program

Sept. 7, 1972

OST 7222	0833-0930	Trawl fishing
OST 7223	1105-1205	Trawl fishing
OST 7224	1248-1330	Trawl fishing
OST 7225	1526-1625	Trawl fishing

Sept. 8, 1972

OST 7226	0650-0833	Trawl fishing

7. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck was made by students under the supervision of T. Kawamura and T. Minoda.
Salinity was determined with salinometer (AUTO-LAB) on board by students and T. Minoda.

Table 1. Oceanographic data

STATION OS72143

LATITUDE 42-50 N LONGITUDE 144 26 E DATE 72-09-09 22.3 (GMT) DEPTH 100 COL. TR.

SEA	SWELL		WIND	AIR TEMP. DRY	WET		BAR.	WEATHER X1		
	OBSERVED			INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	16.80	33.84	6.02	0	16.80	33.84	6.02	24.69	326	326	0.000
10	15.83	33.85	5.85	10	15.83	33.85	5.85	24.92	304	304	0.032
20	16.25	33.87	6.13	20	16.25	33.87	6.13	24.84	312	312	0.062
30	15.92	33.87	5.60	30	15.92	33.87	5.60	24.92	304	305	0.093
50	15.40	33.89	5.48	50	15.40	33.89	5.48	25.05	292	293	0.153
75	13.75	33.92	5.43	75	13.75	33.92	5.43	25.42	256	258	0.222

STATION OS72144

LATITUDE 42-36 N LONGITUDE 144-50 E DATE 72-09-10 02.5 (GMT) DEPTH 865 COL. TR. 19

SEA	SWELL		WIND	AIR TEMP. DRY	WET		BAR.	WEATHER X1		
	OBSERVED			INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	18.85	33.78	5.23	0	18.85	33.78	5.23	24.15	378	377	0.000
10	18.77	33.77	5.47	10	18.77	33.77	5.47	24.16	376	376	0.038
20	18.73	33.80	6.25	20	18.73	33.80	6.25	24.19	373	374	0.075
30	11.04	33.83	7.44	30	11.04	33.83	7.44	25.88	213	213	0.105
50	9.59	33.07	6.27	50	9.59	33.07	6.27	25.54	246	246	0.151
75	7.90	33.09	5.74	75	7.90	33.09	5.74	25.81	219	220	0.209
100	6.47	33.07	6.31	100	6.47	33.07	6.31	25.99	202	203	0.262
125	5.84	33.11	5.54	125	5.84	33.11	5.54	26.10	192	193	0.312
150	3.34	33.89	5.12	150	3.34	33.89	5.12	26.99	107	108	0.350
200	2.01	33.69	4.61	200	2.01	33.69	4.61	26.94	112	112	0.405
250	2.56	33.85	5.09	250	2.56	33.85	5.09	27.03	104	105	0.459
290	3.11	34.02	5.57	300	3.00	34.03	5.08	27.14	93	95	0.509
330	2.69	34.06	3.60	400	3.31	34.20	3.12	27.24	83	86	0.600
421	3.49	34.25	2.97	500	3.40	34.33	2.42	27.33	75	78	0.683
516	3.34	34.34	2.34	600	3.31	34.43	2.39	27.42	66	70	0.758
608	3.31	34.44	2.41	700	3.29	34.54	2.48	27.51	58	63	0.825
701	3.29	34.54	2.48	800	2.95	34.57	1.28	27.57	53	58	0.886
801	2.94	34.57	1.26								

STATION OS72145

LATITUDE 42-24 N LONGITUDE 145-13 E DATE 72-09-10 07.5 (GMT) DEPTH 2500 COL. TR. 15

SEA	SWELL		WIND	AIR TEMP. DRY	WET		BAR.	WEATHER X1		
	OBSERVED			INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	18.00	33.79	5.62	0	18.00	33.79	5.62	24.37	357	357	0.000
10	17.99	33.70	5.69	10	17.99	33.70	5.69	24.30	363	363	0.036
20	16.64	33.62	6.04	20	16.64	33.62	6.04	24.56	338	339	0.071
30	10.87	33.88	5.98	30	10.87	33.88	5.98	25.95	206	207	0.099
50	10.59	34.31	5.37	50	10.59	34.31	5.37	26.33	170	171	0.136
75	10.13	34.41	5.39	75	10.13	34.41	5.39	26.49	155	156	0.177
100	10.17	34.59	4.58	100	10.17	34.59	4.58	26.62	142	144	0.215
125	8.71	34.45	4.96	125	8.71	34.45	4.96	26.75	130	132	0.250
150	8.06	34.43	4.41	150	8.06	34.43	4.41	26.84	122	124	0.282
200	4.97	34.10	5.38	200	4.97	34.10	5.38	26.99	108	110	0.340
249	3.69	34.04	5.11	250	3.67	34.04	5.10	27.08	99	101	0.393
298	3.06	34.03	4.47	300	3.07	34.03	4.44	27.13	94	96	0.443
397	3.91	34.25	2.96	400	3.91	34.25	2.93	27.22	85	88	0.535
496	3.62	34.34	2.40	500	3.61	34.34	2.38	27.33	76	79	0.620
595	3.54	34.43	2.00	600	3.54	34.44	1.98	27.41	68	72	0.696
694	3.52	34.55	1.65	700	3.50	34.55	1.62	27.50	59	64	0.765
793	3.17	34.58	1.13	800	3.16	34.58	1.12	27.56	53	59	0.827
990	3.06	34.70	1.22	1000	3.05	34.70	1.22	27.67	43	50	0.937
1188	2.78	34.77	1.24	1200	2.76	34.77	1.24	27.75	36	43	1.031
1480	2.43	34.85	1.11								

8. Data on Plankton Collected by Vertical Hauls with a Norpac Net

Vertical hauls with a Norpac net were carried out at OS 72143, OS 72144 and OS 72145.

The net was 45 cm in mouth diameter, 180 cm long in netting made of Pylen No. 60 having 0.35 mm x 0.35 mm mesh openings. The net was lowered to the estimated depth of 150 m at OS 72144 and OS 72145 and to near the bottom at OS 72143, and was immediately hauled to the surface at a speed of about 1 m/sec.

A flow-meter was mounted at the center of the mouth of the net to register the volume of water filtered, which was calibrated on September 10.

Sampling and measurement of wet weight of samples were carried out by students aboard under the supervision of T. Kawamura and T. Minoda.

Data on flow-meter calibration

Wire length (m)	Revolutions
102	1090
100	2118
100	3132
100	4144
100	5200
101	6231
Mean revolutions per 100 m: 1033.5	

Table 2. Data on plankton collected by vertical hauls with a Norpac net (Pylen No. 60: 0.35 mm x 0.35 mm mesh openings).

Station	Position	Time of sampling				Length of wire (m)	Angle of wire (°)	Depth estimated by wire angle (m)	Revolutions of flow-meter	Estimated volume of water filtered (m^3)	Wet weight (gr)		Sample No.
		Ship's time		GMT							per haul	per 10^3 m^3	
		Date	Hour	Date	Hour								
OS 72143	42°50'N 144°26'E	Sept.10	0810	Sept. 9	2310	85	22	79	880	13.5	2.4	178.3	1
OS 72144	42°36'N 144°50'E	Sept.10	1301	Sept.10	0401	155	20	146	1520	23.3	2.6	111.8	2
OS 72145	42°24'N 145°13'E	Sept.10	1832	Sept.10	0932	160	20	150	1508	23.1	3.9	169.0	3

9. Data on Plankton Collected by Simultaneous Tow with Motoda Horizontal Nets

At OS 72143 and OS 72144 simultaneous horizontal tows were carried out with 6 and 10 Motoda Horizontal Nets (MTD closing nets: Motoda 1971, Bull. Fac. Fish., Hokkaido Univ.,22: 101-106), 56 cm in mouth diameter, made of Pylen No. 60 (0.35 mm x 0.35 mm mesh openings) on September 10.
Nets were attached to a single wire cable, 4 mm diameter, at appropriate intervals, and they were towed horizontally by the drift of the ship or at a dead slow, keeping the wire angle about 45° for approximately 30 minutes. After tow was completed, a messenger was slid down to close sweeping nets. Sampling and measurement of wet weight of samples were carried out by students aboard under supervision of T. Kawamura and T. Minoda.

Table 3. Data on plankton collected by simultaneous horizontal tow with MTD nets at OS 72143 and OS 72144.

Station	Time (LMT)	Angle of Wire (°)	Length of Wire (m)	Depth of collection (m)	Wet weight per haul (gr)	Sample No.	Remarks
			0	0	3.8	72E2	A large hydromedusa was removed before weighing
			10	7	17.2	72E3	
OS 72143	0852	42	20	14-15	15.2	72E4	Net slid down to the next net
	0920	45	30	21-22	17.5	72E5	
			50	35-37	56.4	72E6	Net slid down to the next net
			75	53-56	2.2	72E7	
			0	0	5.9	72E9	
			70	45-49	21.1	72E10	
			105	67-73	15.4	72E11	
			140	90-97	24.7	72E12	
OS 72144	1342	46	175	112-122	39.4	72E13	
	1412	50	210	135-146	37.6	72E14	
			238	153-165	24.5	72E15	
			252	162-175	21.2	72E16	
			266	171-185	23.8	72E17	
			280	180-195	44.4	72E18	Closure was failed

10. Data on Trawl Fishing

Five operations of stern otter trawling were carried out on the shallow bottom off the coasts of Hiroo, Hokkaido, on September 7 and 8, 1972.

Operation was supervised by the Captain and deck officers.

Data on catch of marketable fish were prepared by the Chief officer.

Students were engaged in separation and measurements of the catch under the guidance of Igarashi.

Species of fish and large-sized invertebrates were identified by the member of the Marine Zoological Laboratory of the University.

Specimens are deposited at the Marine Zoological Laboratory, and further detailed examination by specialist in any institution will be appreciated.

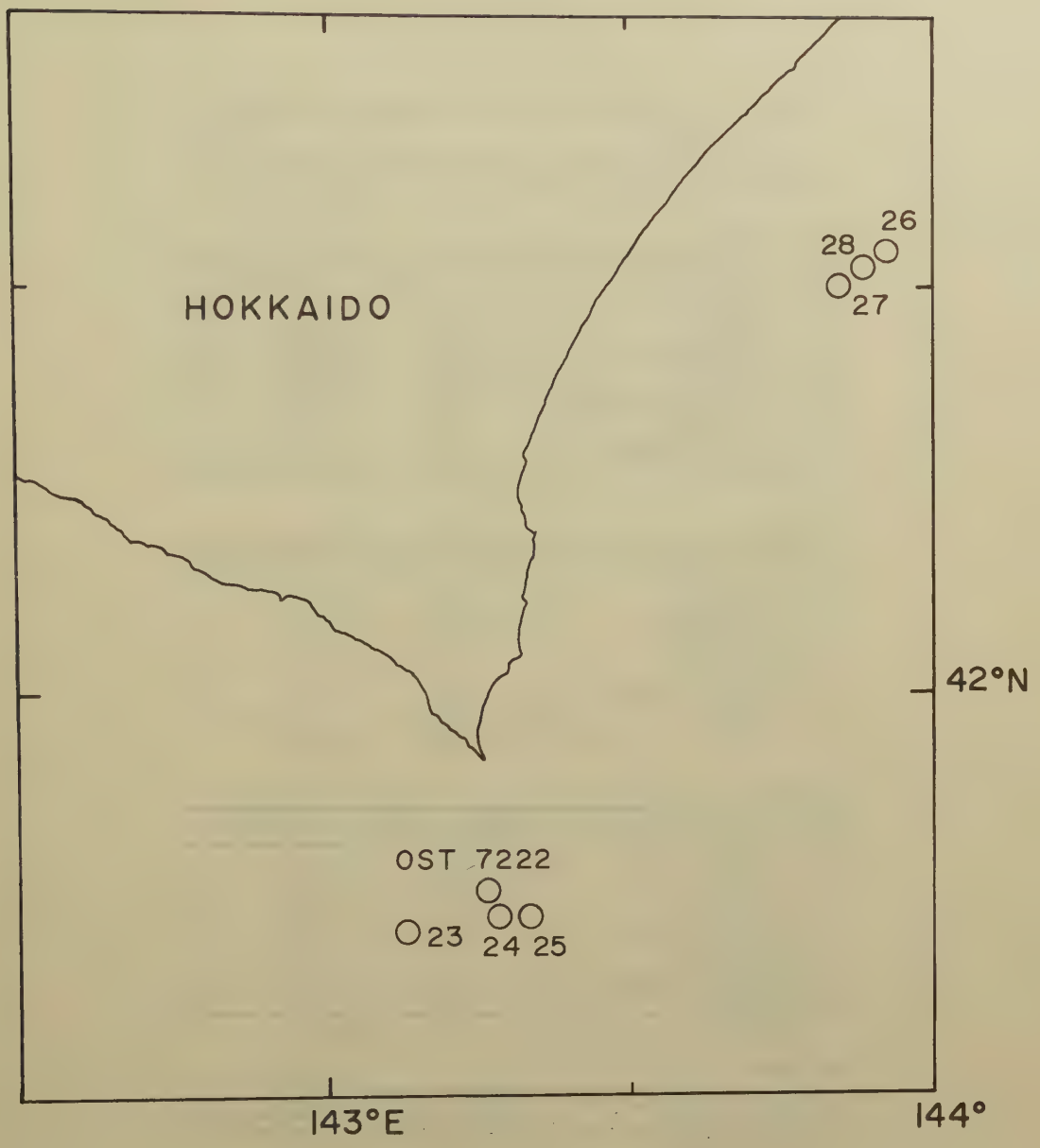


Fig. 3. Locations of trawl fishing at the east of Erimo

Table 4. Composition of major groups of fishes in trawl catch.

OST 7222

No.	Major group	Weight (kg)	Percentage
1.	Flatfishes	175.6	53.7
2.	Whitings	61.0	18.7
3.	Pricklebacks	51.0	15.6
4.	Sculpins	33.4	10.2
5.	Poachers	2.0	0.6
6.	Sailfin sandfish	1.7	0.5
7.	Horse crab	1.3	0.4
8.	Pacific mackerel	1.0	0.3
	Total	327.0	100.0

OST 7223

No.	Major group	Weight (kg)	Percentage
1.	Whitings	42.0	58.4
2.	Flatfishes	15.8	22.0
3.	Pricklebacks	6.7	9.3
4.	Sculpins	5.2	7.2
5.	Poachers	2.1	2.9
6.	Sailfin sandfish	0.1	0.1
7.	Squid	0.1	0.1
	Total	72.0	100.0

OST 7224

No.	Major group	Weight (kg)	Percentage
1.	Whitings	36.0	36.0
2.	Pacific cod	19.0	19.0
3.	Flatfishes	15.7	15.7
4.	Rockfish	11.0	11.0
5.	Pricklebacks	8.0	8.0
6.	Sculpins	8.0	8.0
7.	Sailfin sandfish	1.5	1.5
8.	Poachers	0.8	0.8
	Total	100.0	100.0

OST 7225

No.	Major group	Weight (kg)	Percentage
1.	Flatfishes	171.3	49.1
2.	Whitings	82.0	23.4
3.	Pricklebacks	62.0	17.7
4.	Sculpins	22.0	6.3
5.	Sailfin sandfish	5.5	1.6
6.	Poachers	4.7	1.3
7.	Octopus	2.1	0.6
	Total	349.6	100.0

OST 7226

No.	Major group	Weight (kg)	Percentage
1.	Horse crab	45.0	38.7
2.	Squid	34.0	29.3
3.	Flatfishes	14.0	12.0
4.	Sculpins	9.7	8.4
5.	Octopus	6.0	5.2
6.	Poachers	3.0	2.6
7.	Whitings	2.2	1.9
8.	Pricklebacks	1.2	1.0
9.	Greenlings	1.0	0.9
	Total	116.1	100.0

11. List of Species of Fishes and Invertebrates Collected by Trawl Fishing

Pisces

Ord. Gadiformes

Fam. Gadidae

1) Theragra chalcogramma (PALLAS) sketōdara

Ord. Perciformes

Fam. Scombridae

2) Scomber japonicus HOUTTUYN masaba

Fam. Trichodontidae

3) Arctoscopus japonicus (STEINDACHNER) hatahata

Fam. Stichaeidae

4) Stichaeus grigorjewi HERZENSTEIN nagazuka

5) Stichaeus nozawai JORDAN & STARKS tauegaji

Ord. Cottiformes

Fam. Scorpaenidae

6) Sebastes steindachneri HILGENDORF yanaginomai

Fam. Hexagrammidae

7) Hexagrammos otakii JORDAN & STARKS ainame

Fam. Cottidae

8) Hemilipidotus gilberti JORDAN & STARKS yokosujikajika

9) Icelus spiniger spiniger GILBERT kōrikajika

10) Ceratocottus diceraus namiyei JORDAN & STARKS onikajika

11) Malacocottus gibber SAKAMOTO-MATSUBARA sepparikajika

12) Ainocottus ensiger JORDAN & STARKS nabekowashi

13) Ainocottus batrachoides (GILBERT & BURKE) kitanonabekowashi

14) Dasycottus japonicus TANAKA ganko

15) Gymnocanthus ventralis (CUVIER & VALENCIENNES) ailajika

16) Gymnocanthus detrisus GILBERT & BURKE sebirokajika

17) Alcichthys alcicornis (HERZENSTEIN) nijikajika

18) Hemitripterus villosus (PALLAS) kemushikajika

Fam. Psychrolutidae

19) Eurymen gyrinus GILBERT & BURKE yagishirikajika

Fam. Agonidae

20) Tilesina gibbosa SCHMIDT onishachiuo

21) Occa kasawai (JORDAN & HUBBS) yasesaburo

22) Podothecus sachi (JORDAN & SNYDER) tokubire

23) Podothecus thomsoni JORDAN & GILBERT yasetokubire

24) Sarritor leptorhynchus leptorhynchus (GILBERT) tengutokubire

Fam. Cyclopteridae

25) Cyclolumpus asperrimum TANAKA konpeito

Fam. Liparidae

26) Liparis ingens (GILBERT & BURKE) kōraibikunin

27) Liparis ochotensis SCHMIDT isagobikunin

Ord. Pleuronectiformes

Fam. Pleuronectidae

28) Atheresthes evermanni JORDAN & STARKS aburagarei

29) Hippoglossus stenolepis SCHMIDT ohyō

30) Hippoglossoides dubius (SCHMIDT) akagarei

31) Acanthopsetta nadeshnyi SCHMIDT urokomegarei

32) Clidoderma asperrimum (TEMMINCK & SCHLEGEL) samegarei

33) Glyptocephalus stelleri (SCHMIDT) hireguro

34) Microstomus achne (JORDAN & STARKS) babagarei

Invertebrates

Phylum Mollusca

Fam. Buccinidae

1) Buccinum opithoplectum DALL kubirebai

2) Neptunea eulimata lamellosa GOLIKOV kuriiroezobora

3

THE "OSHORO MARU" CRUISE 48 TO THE EAST CHINA SEA IN APRIL 1973

1. Cruise Itinerary

Departure from Hakodate	Apr. 4, 1973
Starting hydrographic cast (OS 73001)	7
Starting trawl fishing (OST 7301)	8
Finishing hydrographic cast (OS 73011) and trawl fishing (OST 7305)	9
Arrival at Tsuruga	11
Departure from Tsuruga	12
Return to Hakodate	14

Total caverage 2,182.9 miles 11 days at sea

2. Vessel Personnel

Captain:		Associate Professor	Takeji Fujii
Crew:	Chief Officer	Associate Professor	Kiyoshi Masuda
	First Officer	Instructor	Genji Kobayashi
	Second Officer	Research Associate	Kunisaburo Yoneta
	Chief Engineer	Research Associate	Shoichi Tomisawa
	First Engineer		Kenzo Omi
	Second Engineer		Ichiro Kataoka
	Third Engineer		Tetsusaburo Inomata
	Chief Radio Operator		Tetsuya Nakamura
	Purser		Akira Togashi
	and 26 men		
Research Staff:	Professor (Fishing Navigation)		Masaaki Hyuga
	Associate Professor (Labor Physiology)		Yasuo Iyoda
	Research Associate (Fishing Navigation)		Yurin Sakamoto
Cadets:	26 cadets, Department of Fishing Science		
Total:	65 persons		

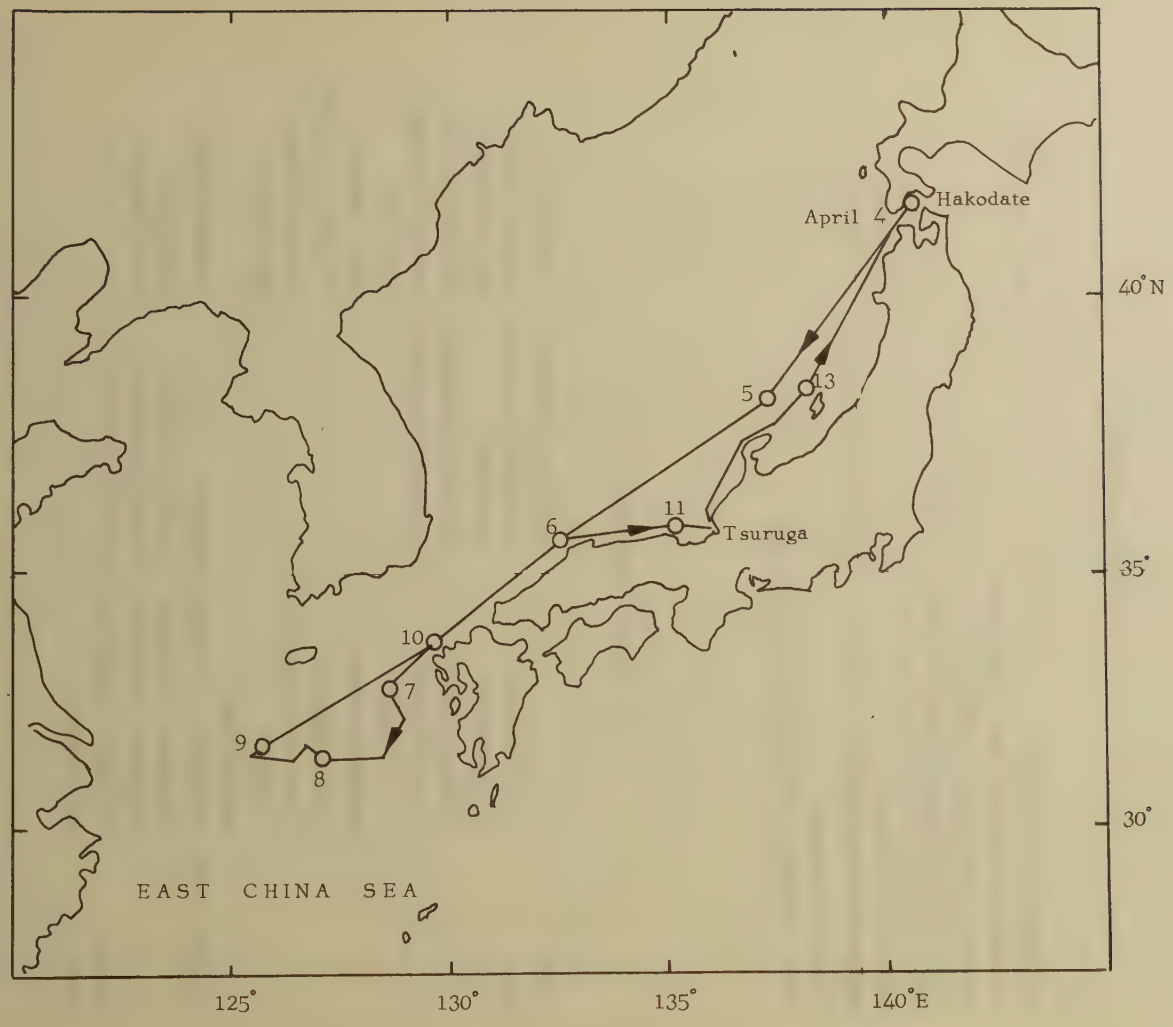


Fig. 1 Track chart.

3. Items of Observation

Hydrographic observation:

Temperature measurement and sampling of water for salinity, covering the depth from the surface down to the bottom at 11 stations.

Trawl fishing:

5 operations in the shallow fishing grounds of the East China Sea.

Weighing of catch and measurement of biological characteristics of each species caught.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Oshoro Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations.

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
OS 73001	31-15N	128-30E	Apr. 7	2217-2325	Apr. 7	1317-1425	Loran
OS 73002	31-20N	128-24E	8	0053-0210	7	1553-1710	Loran
OS 73003	31-18N	128-04E	8	0317-0347	7	1817-1847	Loran
OS 73004	31-15N	127-35E	8	0602-0627	7	2102-2127	D.R.P.
OS 73005	31-17N	127-12E	8	1028-1048	8	0128-0148	Loran
OS 73006	31-34N	126-45E	8	1855-1916	8	0955-1016	Loran
OS 73007	31-15N	126-30E	8	2126-2151	8	1226-1251	D.R.P.
OS 73008	31-18N	126-09E	8	2335-2350	8	1435-1450	D.R.P.
OS 73009	31-20N	125-50E	9	0125-0151	8	1625-1651	D.R.P.
OS 73010	31-24N	125-28E	9	0359-0418	8	1859-1918	Loran
OS 73011	31-30N	125-26E	9	0925-0950	9	0025-0050	Loran

D.R.P.: position by dead reckoning

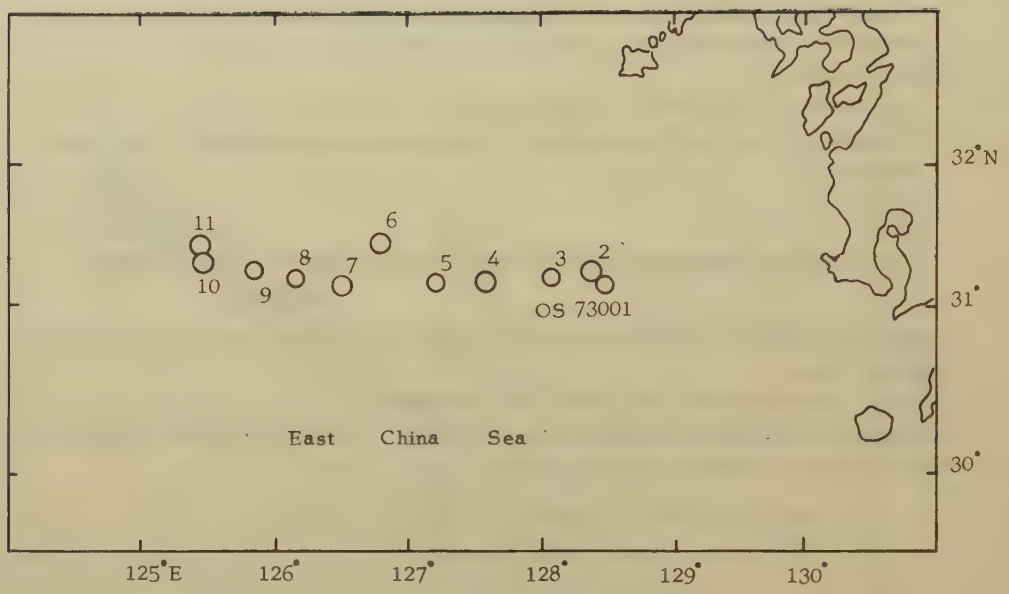


Fig. 2 Oceanographic stations.

Table 2. Oceanographic data.

STATION OS73001

LATITUDE 31-15 N LONGITUDE 128-30 E DATE 73-04-07 13.3 (GMT) DEPTH 474 COL. TR.
SEA 11 3A SWELL 13 1A WIND 11 04F AIR TEMP. DRY 20.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	20.50	34.81		0	20.50	34.81		24.50	344	343	0.000
7	20.52	34.83		10	20.53	34.83		24.51	343	343	0.034
20	20.55	34.83		20	20.55	34.83		24.51	344	344	0.069
30	20.54	34.83		30	20.54	34.83		24.51	343	344	0.103
49	20.41	34.81		50	20.40	34.81		24.53	341	343	0.172
66	20.32	34.82		75	20.38	34.85		24.57	338	340	0.257
98	20.55	34.83		100	20.01	34.81		24.63	331	335	0.342
105	18.62	34.76		125	17.77	34.75		25.15	282	286	0.420
150	16.70	34.73		150	16.70	34.73		25.40	259	263	0.488
158	16.50	34.67		200	15.50	34.51		25.50	249	254	0.618
240	14.61	34.60									

STATION OS73002

LATITUDE 31-20 N LONGITUDE 128-24 E DATE 73-04-07 15.9 (GMT) DEPTH 400 COL. TR.
SEA 09 4A SWELL 09 3A WIND 09 06F AIR TEMP. DRY 18.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	20.40	34.84		0	20.40	34.84		24.55	339	339	0.000
6	20.41	34.84		10	20.42	34.84		24.55	340	340	0.034
19	20.42	34.83		20	20.42	34.83		24.54	340	341	0.068
30	20.38	34.82		30	20.38	34.82		24.54	340	341	0.102
47	19.88	34.80		50	19.77	34.79		24.68	327	328	0.169
63	19.25	34.76		75	18.67	34.73		24.92	304	306	0.249
94	17.59	34.70		100	17.17	34.70		25.26	271	274	0.321
124	15.47	34.66		125	15.46	34.66		25.62	237	241	0.386
126	15.46	34.65									

STATION OS73003

LATITUDE 31-18 N LONGITUDE 128-04 E DATE 73-04-07 18.3 (GMT) DEPTH 150 COL. TR.
SEA 09 4A SWELL 09 3A WIND 09 06F AIR TEMP. DRY 17.4 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	20.00	34.82		0	20.00	34.82		24.64	330	330	0.000
9	20.06	34.84		10	20.08	34.84		24.64	331	331	0.033
17	20.06	34.82		20	19.85	34.80		24.67	328	328	0.066
25	19.43	34.77		30	19.21	34.75		24.80	316	317	0.098
42	18.68	34.72		50	18.12	34.71		25.04	293	294	0.160
64	17.15	34.70		75	17.04	34.69		25.29	269	271	0.230
85	16.94	34.69		100	16.24	34.68		25.46	252	255	0.296
106	15.87	34.67		125	14.49	34.61		25.80	220	224	0.356
127	14.32	34.60									

STATION OS73004

LATITUDE 31-15 N LONGITUDE 127-35 E DATE 73-04-07 21.0 (GMT) DEPTH 127 COL. TR.
SEA 13 4A SWELL 13 3A WIND 12 06F AIR TEMP. DRY 20.0 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	20.40	34.81		0	20.40	34.81		24.53	341	341	0.000
9	20.51	34.83		10	20.52	34.83		24.51	343	343	0.034
18	20.53	34.82		20	20.54	34.82		24.50	344	345	0.069
27	20.51	34.81		30	20.41	34.80		24.52	342	343	0.103
45	19.60	34.76		50	19.25	34.74		24.77	318	319	0.169
67	17.98	34.65		75	17.41	34.62		25.14	283	285	0.245
98	15.86	34.58									

STATION OS73005

LATITUDE 31-17 N LONGITUDE 127-12 E DATE 73-04-08 01.5 (GMT) DEPTH 128 COL. TR.
SEA 11 4A SWELL 13 2A WIND 11 05F AIR TEMP. DRY 19.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	19.60	34.76		0	19.60	34.76		24.70	325	324	0.000
9	19.40	34.77		10	19.42	34.77		24.76	320	320	0.032
17	19.40	34.76		20	19.09	34.74		24.82	314	314	0.064
25	18.56	34.70		30	18.30	34.68		24.97	299	300	0.095
42	17.66	34.64		50	17.05	34.59		25.21	277	278	0.153
64	15.99	34.52		75	15.99	34.51		25.39	259	261	0.220
85	15.99	34.51		100	15.98	34.51		25.39	259	262	0.286
102	15.98	34.51									

STATION OS73006

LATITUDE 31-34 N LONGITUDE 126-45 E DATE 73-04-08 09.9 (GMT) DEPTH 102 COL. TR.
SEA 11 2A SWELL 13 2A WIND 11 02F AIR TEMP. DRY 18.2 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	17.00	34.41		0	17.00	34.41		25.08	289	288	0.000
9	16.36	34.44		10	16.27	34.42		25.26	271	271	0.028
18	15.48	34.26		20	15.26	34.22		25.33	265	265	0.055
27	14.54	34.09		30	14.35	34.06		25.41	258	258	0.081
45	13.87	33.99		50	13.81	33.98		25.46	253	254	0.132
67	13.81	33.98		75	13.82	33.97		25.45	254	255	0.196
85	13.87	33.96									

STATION OS73007

LATITUDE 31-15 N LONGITUDE 126-30 E DATE 73-04-08 12.4 (GMT) DEPTH 88 COL. TR.
SEA 08 2A SWELL 13 1A WIND 08 03F AIR TEMP. DRY 17.0 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	13.80	33.07		0	13.80	33.07		24.76	319	319	0.000
9	13.11	33.19		10	13.06	33.22		25.02	295	294	0.031
18	12.82	33.42		20	12.77	33.44		25.25	273	273	0.059
28	12.64	33.47		30	12.64	33.48		25.31	267	268	0.086
46	12.81	33.58		50	12.84	33.60		25.36	262	263	0.139
69	12.95	33.65									

STATION OS73008

LATITUDE 31-18 N LONGITUDE 126-09 E DATE 73-04-08 14.6 (GMT) DEPTH 75 COL. TR.
SEA 08 2A SWELL 13 1A WIND 08 02F AIR TEMP. DRY 15.4 WET BAR. WEATHER X5

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	12.80	32.27		0	12.80	32.27		24.34	359	359	0.000
9	11.39	32.56		10	11.34	32.57		24.84	311	311	0.034
19	11.23	32.60		20	11.21	32.63		24.91	305	305	0.064
28	11.08	32.85		30	11.08	32.87		25.13	284	285	0.094
47	11.23	32.92		50	11.24	32.92		25.14	283	284	0.151
65	11.25	32.92									

STATION OS73009

LATITUDE 31-20 N LONGITUDE 125-50 E DATE 73-04-08 16.4 (GMT) DEPTH 68 COL. TR.
SEA 07 1A SWELL 13 1A WIND 07 02F AIR TEMP. DRY 15.7 WET BAR. WEATHER X4

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	12.60	32.16		0	12.60	32.16		24.29	364	363	0.000
9	11.17	32.23		10	11.12	32.23		24.62	333	332	0.035
19	10.94	32.25		20	10.91	32.27		24.69	326	326	0.068
28	10.64	32.47		30	10.59	32.50		24.92	304	304	0.099
47	10.48	32.50									

STATION OS73010

LATITUDE 31-24 N LONGITUDE 125-28 E DATE 73-04-08 19.0 (GMT) DEPTH 58 COL. TR.
SEA 07 2A SWELL 07 1A WIND 07 03F AIR TEMP. DRY 14.7 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY.
0	12.80	32.02		0	12.80	32.02		24.15	378	377	0.000
9	11.36	32.09		10	11.20	32.10		24.51	343	343	0.036
19	10.18	32.21		20	10.16	32.21		24.78	318	318	0.069
28	10.18	32.22		30	10.18	32.22		24.78	318	318	0.101
46	10.17	32.22									

STATION OS73011

LATITUDE 31-30 N LONGITUDE 125-26 E DATE 73-04-09 00.4 (GMT) DEPTH 58 COL. TR.
SEA 07 2A SWELL 07 1A WIND 07 03F AIR TEMP. DRY 13.7 WET BAR. WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	11.80	31.76		0	11.80	31.76		24.14	379	379	0.000
10	10.56	31.96		10	10.56	31.96		24.51	343	343	0.036
19	10.15	32.13		20	10.14	32.13		24.72	324	324	0.070
29	10.15	32.12		30	10.15	32.13		24.71	324	325	0.102
49	10.21	32.22		50	10.21	32.22		24.77	318	319	0.166
52	10.21	32.22									

5. Data on Trawl Fishing

Stern trawling was carried out 5 times in the eastern East China Sea during April 8 and 9, 1973.

Operation was supervised by the captain and officers, and all hands of crew and cadets were engaged in the work.

Catch was processed by deck officers, crew and cadets, and data of catch were recorded by the chief officer.

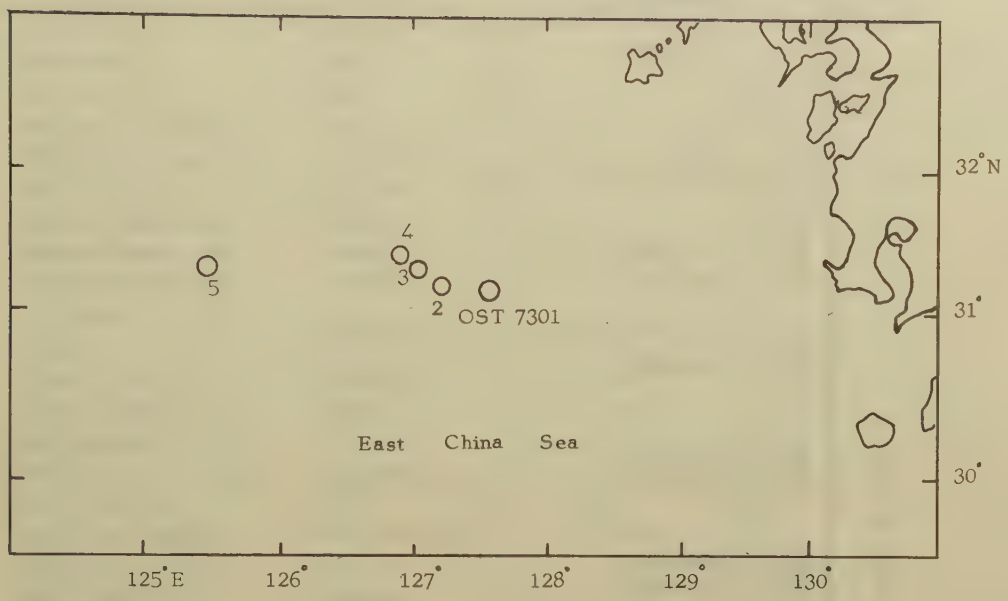


Fig. 3 Locations of trawl fishing.

Table 3 Data on trawl fishing

No. of fishing	Date and time of net cast	Position		Direction of tow	Duration of tow	Speed of tow(Kt)	Depth of sea bottom (m)	Quality of bottom	Temperature (°C)		W^r	Wind	
		Lat.(N)	Long.(E)						Surface	Near bottom			
OST 7301	Apr.8 0655	31-18	127-34	280	2^h 00^m	4.0	128	S	20.4	15.9	o	SE	6
OST 7302	8 1055	31-18	127-12	280	2 00	2.8	112	M	19.0	16.0	o	SE	5
OST 7303	8 1330	31-23	127-02	305	2 00	3.0	110	M	17.0		r	SE	4
OST 7304	8 1615	31-29	126-55	295	2 00	3.2	110	M	15.8		r	ESE	3
OST 7305	9 0633	31-15	125-30	030	2 00	3.0	59	M	11.7	10.2	r	ESE	4

W^r : Weather

Table 4 Data on catches by trawl fishing in kg per haul.

Species	Gyoshu	7301	7302	7303	7304	7305
Lamniformes	Same			3.4		
Rajiformes	Gangiei	2.2				5.2
Synodontidae	Eso	1.4				
Muraenesox cinereus	Hamo		5.1	1.1		
Monocentris japonicus	Matsukasauo	0.7				
Zeus japonicus	Matoudai	5.7	6.1	6.0	3.7	
Scomber japonicus	Masaba	5.1				
Scomberomorus spp.	Sawara		0.5			
Trichiurus lepturus	Tachiuo		1.8	4.8	7.7	
Caranginae	Aji	3.3	0.9			
Caranx spp.	Kaiwari	1.8				
Pampus argenteus	Managatsuo	14.0	28.0	1.3	5.2	0.2
Branchiostegus spp.	Amadai		0.2		0.4	
Priacanthus spp.	Kintokidai	2.9	11.0	1.3		
Malakichthys elegans	Nagaoomehata	4.7	4.1	0.6	2.0	
Niphon spinosus	Ara	0.3				
Collichthys niveatus	Mebutokandari		0.2			
Nibea spp.	Nibe			7.4	27.0	7.9
Argyrosomus spp.	Ishimochi	0.6	2.8	3.6	10.1	
Taius tumifrons	Kidai	0.4				
Hapalogenys maculatus	Niramihigedai					0.2
Uranoscopus japonicus	Mishimaokoze	1.0	0.5	0.8	3.0	
Hoplobrotula armata	Yoroiitachiuo	2.3	2.1	1.0	5.1	
Navodon modestus	Umazurahagi	0.5				
Fugu spp.	Fugu		11.2	2.0	0.2	
Parabembras curtus	Kochi				1.0	
Lepidotrigla sp.	Kanagashira	3.6				
Liparis sp.	Kusauo	5.7				
Pleuronectida	Karei	0.4	0.2	0.7		1.9
Cynoglossidae	Ushinoshita					2.8
Lophiidae	Anko	3.4	0.3		10.5	4.1
Halieutaea stellata	Akagutsu		1.0			
Decapoda	Ika	5.4	6.2	9.5	9.7	0.4
Octopoda	Tako					0.1
Nephrops thomsoni	Minamiakazaebi				0.8	
Ibacus ciliatus	Uchiwaebi	11.0	0.6			
Linuparus trigonus	Hakoebi		15.1	6.4	3.0	
Boachyura	Kani	6.2			0.6	5.7
Echinoidea	Uni					0.5
	Total	82.6	97.9	49.9	90.0	29.0

4

THE "OSHORO MARU" CRUISE 50 TO THE EAST OF CAPE ERIMO AND OFF CAPE ESAN IN SEPTEMBER 1973

This cruise was planned to conduct a shipboard training in hydrographic observations, plankton samplings and biological observations of trawl catch for the undergraduate students of biology course, and at the same time, to provide faculty members with an opportunity of making research on various fields.

1. Cruise Itinerary

Departure from Hakodate	1525	Sept.	3, 1973
Arrival at OS 73129, 42°00'N, 144°00'E	0941		4
Departure from OS 73129	1521		
Arrival at OS 73130, 42°21'N, 144°07'E	1737		
Departure from OS 73130	2217		
Arrival at OS 73131, 42°38'N, 144°15'E	0040		5
Departure from OS 73131	0502		
Arrival at Kushiro	0813		
Departure from Kushiro	0737		6
Arrival at OS 73132, 42°38'N, 144°00'E	1020		
Departure from OS 73132	1215		
Arrival at OS 73133, 42°16'N, 143°37'E	1435		
Departure from OS 73133	1615		
Starting hydrographic cast (OS 73134)			
Finishing hydrographic cast (OS 73136)			
Arrival at trawling OST 7306, 42°01'N, 141°29'E	0718		7
Arrival at trawling OST 7307, 41°59'N, 141°31'E	1057		
Arrival at trawling OST 7308, 42°06'N, 141°26'E	1450		
Departure from trawling OST 7308	1840		
Return to Hakodate	0715		8

2. Vessel Personnel

Crew:	Captain	Takeji Fujii and 37 men
Teaching Staff:	Professor (Laboratory of Planktology)	Teruyoshi Kawamura
	Associate Professor (Laboratory of Marine Zoology)	Takao Igarashi
	Associate Professor (Laboratory of Planktology)	Takashi Minoda
	Research Associate (Laboratory of Marine Zoology)	Kunio Amaoka
	Research Associate (Laboratory of Planktology)	Akira Taniguchi
Other Staff:	Graduate Student (Doctor's Course)	Kazuhiro Nakaya
	Graduate Student (Doctor's Course)	Keiichi Matsuura
	Graduate Student (Master's Course)	Kazutoshi Saito
	Graduate Student (Master's Course)	Ken Tsumura
	Graduate Student (Master's Course)	Mamoru Yoshimizu

Undergraduate Student (Trainees):

40 students including 1 girl student, Department of Biology and Aquiculture, Faculty of Fisheries

Total: 88 persons

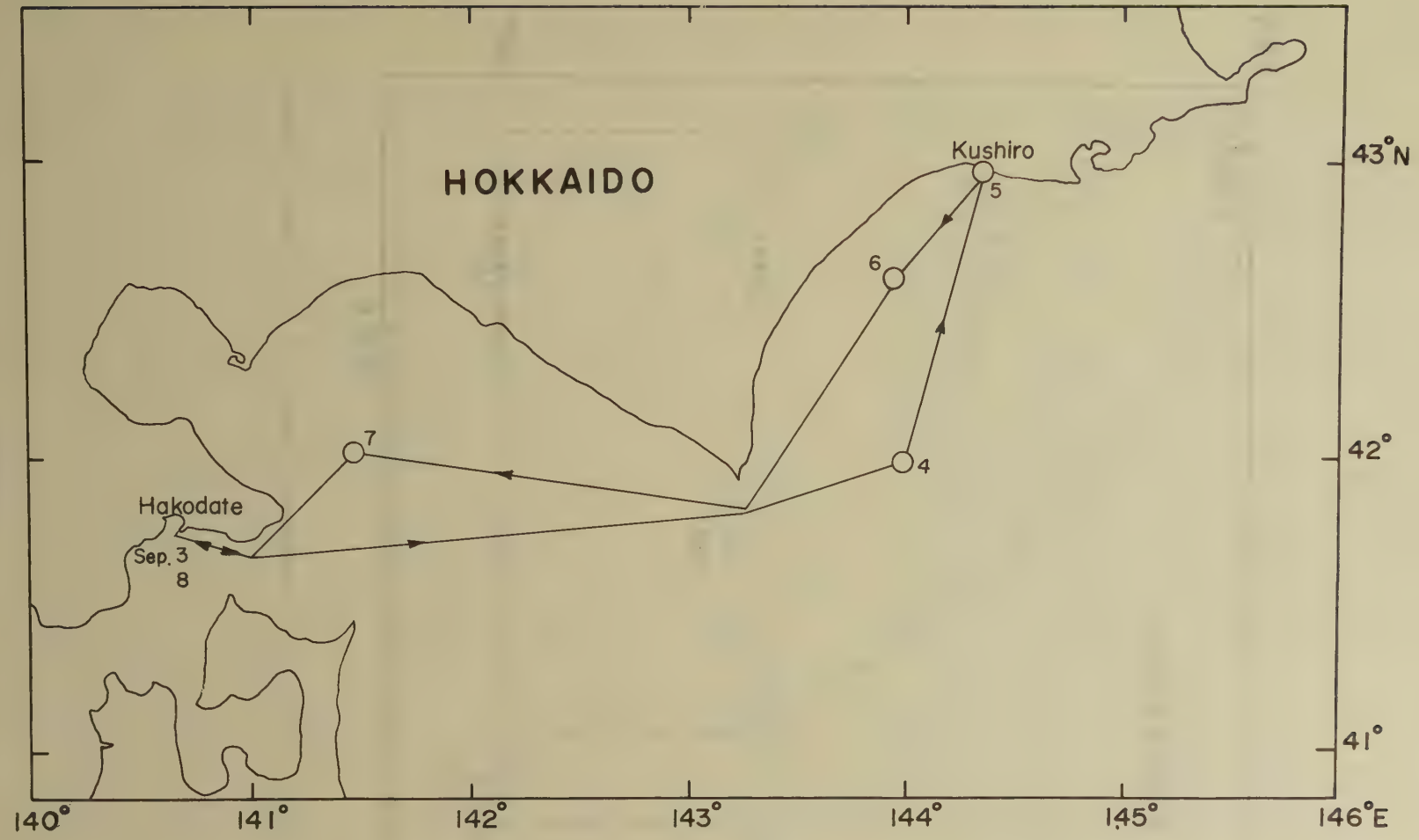


Fig. 1. Track chart

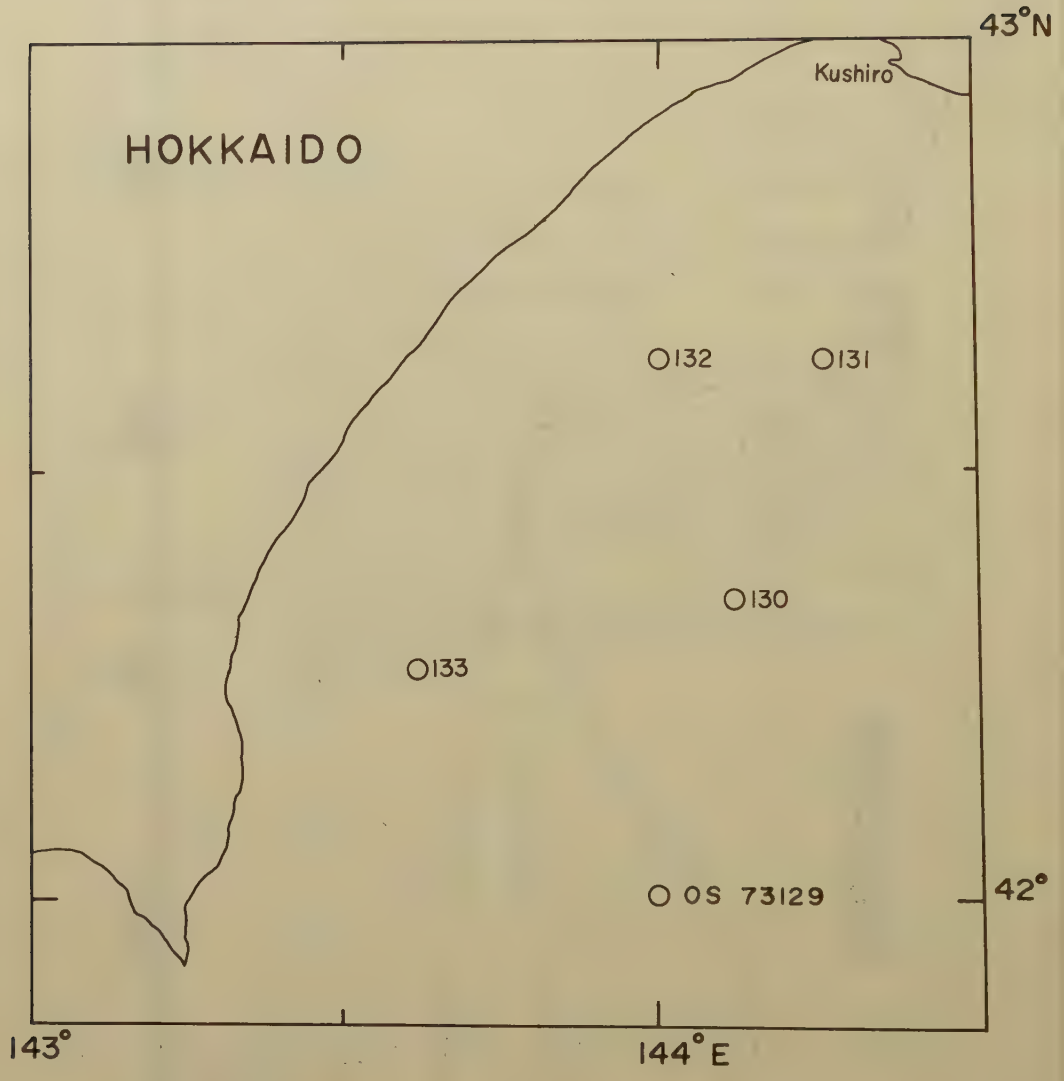


Fig. 2-A. Locations of oceanographic observation at the east of Erimo

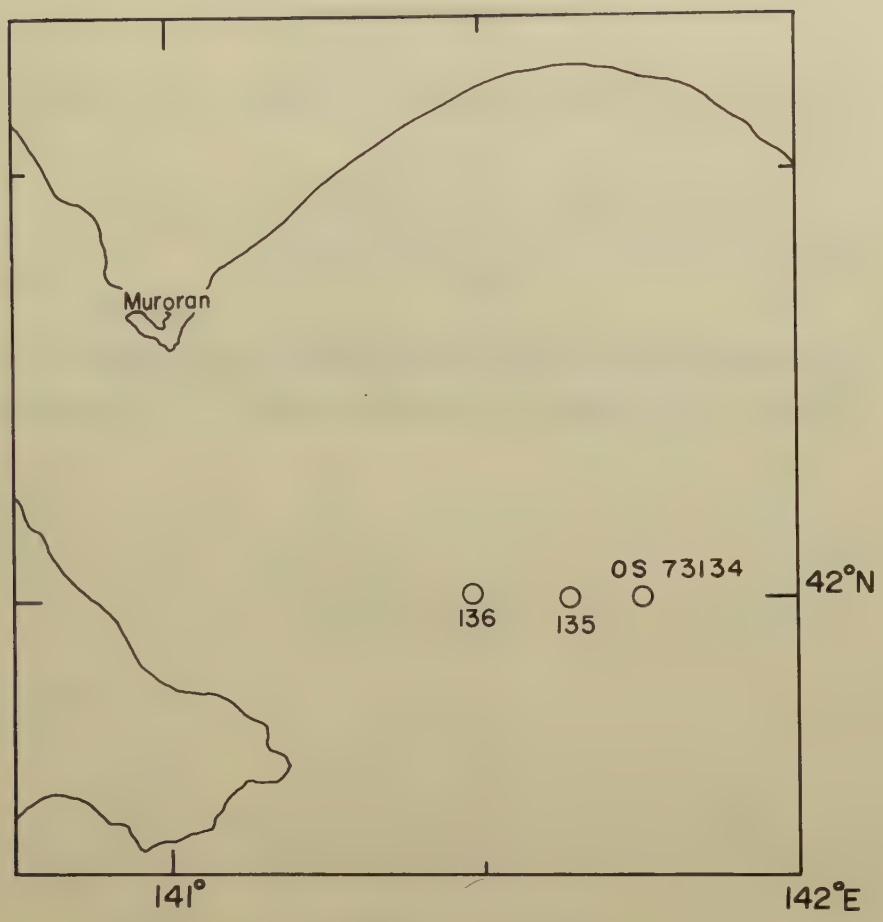


Fig. 2-B. Locations of oceanographic observation at the east of Esan

3. Items of Training

Hydrographic cast, plankton sampling and biological observation of trawl catches.

4. Items of Observation

Bottom fauna of fish and large invertebrates (Staffs of Laboratory of Marine Zoology)

Studies on the intestinal microflora of the demarsal fishes (M. Yoshimizu)

5. Training Program

Sept. 4, 1973

OS 73129

0950-1125	Hydrographic cast, 0-1000 m.
1132-1138	Vertical haul with a Norpac Net, 150-0 m.
1227-1507	Simultaneous horizontal tows with 7 MTD Closing Nets, 0-800 m.

OS 73130

1736-1900	Hydrographic cast, 0-700 m.
1905-1910	Vertical haul with a Norpac Net, 150-0 m.
1916-2159	Simultaneous horizontal tows with 7 MTD Closing Nets, 0-800 m.

Sept. 5, 1973

OS 73131

0040-0200	Hydrographic cast, 0-600 m.
0207-0211	Vertical haul with a Norpac Net, 150-0 m.
0217-0448	Simultaneous horizontal tows with 7 MTD Closing Nets, 0-600 m.

Sept. 6, 1973

OS 73132

1020-1100	Hydrographic cast, 0-125 m.
1105-1112	Vertical haul with a Norpac Net, 125-0 m.
1114-1214	Simultaneous horizontal tows with 7 MTD Closing Nets, 0-100 m.

OS 73133

1435-1530	Hydrographic cast, 0-125 m.
1535-1540	Vertical haul with a Norpac Net, 100-0 m.
1600-1653	Simultaneous horizontal tows with 7 MTD Closing Nets, 0-100 m.

Sept. 7, 1973

OST 7306	0718-0943	Processing of trawl catch, 450-425 m in depth
OST 7307	1057-1424	Processing of trawl catch, 330-355 m in depth
OST 7308	1526-1840	Processing of trawl catch, 420-456 m in depth

6. Observation Program

Sept. 7, 1973

OST 7306	0718-0943	Trawl fishing
OST 7307	1057-1424	Trawl fishing
OST 7308	1526-1840	Trawl fishing

7. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck was made by students under the supervision of T. Kawamura and T. Minoda.
Salinity was determined with salinometer (AUTO-LAB) on board by students and T. Minoda.

Table 1. Oceanographic data

STATION OS73129

LATITUDE 42-00 N LONGITUDE 144-00 E DATE 73-09-04 00.6 (GMT) DEPTH 1095 COL. 04 TR. 12
SEA 11 1A SWELL 06 1A WIND 11 01F AIR TEMP. DRY 14.5 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	14.20	32.59		0	14.20	32.59		24.31	363	362	0.000
10	13.47	32.64		10	13.47	32.64		24.49	345	345	0.035
20	10.20	32.99		20	10.20	32.99		25.37	261	261	0.066
30	7.76	33.16		30	7.76	33.16		25.89	212	212	0.089
50	5.38	33.25		50	5.38	33.25		26.27	176	176	0.128
75	2.85	33.25		75	2.85	33.25		26.53	152	152	0.170
100	2.28	33.25		100	2.28	33.25		26.57	147	147	0.207
124	1.77	33.30		125	1.76	33.30		26.65	139	139	0.243
149	1.70	33.33		150	1.69	33.33		26.68	137	137	0.278
192	1.45	33.41		200	1.48	33.42		26.77	129	129	0.344
241	1.67	33.44		250	1.67	33.44		26.77	128	128	0.409
289	1.65	33.46		300	1.67	33.47		26.79	126	126	0.473
386	1.95	33.58		400	2.00	33.60		26.88	118	119	0.596
483	2.31	33.74		500	2.41	33.76		26.97	109	111	0.711
580	2.83	33.86		600	2.87	33.88		27.02	104	107	0.821
680	2.92	33.94		700	2.94	33.96		27.08	99	103	0.926
776	3.00	34.03		800	3.00	34.06		27.15	92	96	1.026
972	2.76	34.29									

STATION OS73130

LATITUDE 42-21 N LONGITUDE 144-07 E DATE 73-09-04 18.6 (GMT) DEPTH 930 COL. 05 TR.
SEA 02 4A SWELL 04 1A WIND 02 05F AIR TEMP. DRY 15.6 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	14.40	32.59		0	14.40	32.59		24.26	366	366	0.000
9	15.17	32.57		10	15.11	32.57		24.10	383	383	0.038
19	14.58	32.57		20	13.90	32.58		24.36	357	358	0.075
28	8.46	32.69		30	7.99	32.73		25.51	248	248	0.105
47	4.03	33.00		50	4.00	33.02		26.24	179	179	0.148
71	3.79	33.13		75	3.57	33.15		26.38	165	165	0.191
94	2.53	33.25		100	2.38	33.27		26.58	146	146	0.230
118	2.11	33.32		125	1.97	33.32		26.65	139	139	0.266
141	1.74	33.32		150	1.75	33.32		26.67	138	138	0.300
161	1.81	33.33		200	1.72	33.39		26.73	132	132	0.368
239	1.62	33.47		250	1.62	33.48		26.81	125	125	0.433
278	1.63	33.51		300	1.64	33.53		26.85	121	121	0.494
317	1.65	33.55		400	1.97	33.65		26.92	114	115	0.613
474	2.25	33.75		500	2.26	33.79		27.00	106	108	0.725
553	2.25	33.86		600	2.30	33.90		27.09	98	100	0.830
633	2.35	33.91									

STATION OS73131

LATITUDE 42-38 N LONGITUDE 144-15 E DATE 73-09-04 15.6 (GMT) DEPTH 635 COL. TR.
SEA 30 2A SWELL 03 1A WIND 30 02F AIR TEMP. DRY 14.8 WET BAR. WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	14.30	32.57		0	14.30	32.57		24.27	366	366	0.000
10	14.25	32.56		10	14.25	32.56		24.27	366	366	0.037
20	13.96	32.57		20	13.96	32.57		24.34	359	359	0.073
30	8.45	32.89		30	8.45	32.89		25.57	242	242	0.103
50	4.87	33.08		50	4.87	33.08		26.19	183	183	0.146
75	3.15	33.19		75	3.15	33.19		26.45	159	159	0.189
100	2.61	33.23		100	2.61	33.23		26.53	151	151	0.227
125	2.05	33.27		125	2.05	33.27		26.61	144	144	0.264
150	1.75	33.28		150	1.75	33.28		26.64	141	141	0.300
197	1.72	33.36		200	1.71	33.36		26.71	134	135	0.369
246	1.54	33.40		250	1.54	33.40		26.75	130	130	0.436
295	1.62	33.43		300	1.63	33.43		26.77	128	129	0.501
393	1.83	33.54		400	1.86	33.55		26.84	121	122	0.627
492	2.36	33.69		500	2.41	33.70		26.92	114	115	0.746
591	3.00	33.88									

STATION OS73132

LATITUDE 42-38 N LONGITUDE 144-00 E DATE 73-09-06 01.3 (GMT) DEPTH 142 COL. 05 TR. 11
SEA 06 1A SWELL 12 1A WIND 06 01F AIR TEMP. DRY 15.6 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	15.80	33.03		0	15.80	33.03		24.30	363	363	0.000
10	14.36	33.22		10	14.36	33.22		24.76	320	319	0.034
19	13.35	33.28		20	13.23	33.29		25.04	292	292	0.065
29	12.20	33.39		30	12.08	33.40		25.35	263	264	0.093
49	10.04	33.42		50	9.96	33.42		25.75	226	226	0.142
73	8.43	33.35		75	8.36	33.34		25.94	207	208	0.196
97	7.12	33.27		100	6.80	33.26		26.10	192	193	0.246
121	3.62	33.22									

STATION OS73133

LATITUDE 42-16 N LONGITUDE 143-37 E DATE 73-09-06 05.5 (GMT) DEPTH 135 COL. 05 TR. 15
SEA 01 1A SWELL 12 1A WIND 06 01F AIR TEMP. DRY 17.0 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	15.80	32.79		0	15.80	32.79		24.12	381	380	0.000
10	15.25	32.88		10	15.25	32.88		24.31	363	363	0.037
20	15.12	33.02		20	15.12	33.02		24.44	350	350	0.073
30	14.47	33.18		30	14.47	33.18		24.70	325	325	0.107
49	12.71	33.25		50	12.62	33.25		25.13	284	285	0.168
74	9.54	33.25		75	9.31	33.25		25.72	228	229	0.232
97	4.16	33.29		100	3.75	33.29		26.48	156	157	0.280
121	2.83	33.29									

STATION OS73134

LATITUDE 42-00 N LONGITUDE 141-45 E DATE 73-09-06 17.3 (GMT) DEPTH 900 COL. TR.
SEA 09 3A SWELL 09 1A WIND 09 03F AIR TEMP. DRY 17.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	19.10	32.90		0	19.10	32.90		23.41	448	447	0.000
9	19.52	33.20		10	19.54	33.24		23.56	434	434	0.044
18	19.74	33.57		20	19.17	33.64		23.96	396	396	0.086
27	17.17	33.81		30	16.35	33.81		24.78	318	318	0.121
45	12.24	33.72		50	12.03	33.75		25.63	236	237	0.177
67	11.30	33.88		75	11.00	33.91		25.95	207	208	0.233
90	10.33	33.92		100	9.66	33.90		26.17	185	187	0.282
112	8.85	33.87		125	8.48	33.85		26.32	171	173	0.327
126	8.46	33.85		150	7.66	33.85		26.44	159	162	0.369
190	6.27	33.69		200	5.95	33.52		26.42	162	164	0.451
235	4.87	33.03		250	4.39	33.05		26.22	180	182	0.538
278	3.51	33.23		300	2.77	33.34		26.60	144	145	0.620
322	2.16	33.44		400	2.35	33.64		26.88	118	119	0.752
411	2.38	33.66		500	2.78	33.78		26.95	111	113	0.869
501	2.78	33.78		600	2.95	33.89		27.03	104	107	0.980
679	2.98	34.00		700	3.00	34.04		27.14	93	97	1.082
761	3.04	34.15									

STATION OS73135

LATITUDE 42-00 N LONGITUDE 141-38 E DATE 73-09-06 19.4 (GMT) DEPTH 790 COL. 05 TR. 16
SEA 09 3A SWELL 09 1A WIND 10 03F AIR TEMP. DRY 18.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	19.20	32.83		0	19.20	32.83		23.34	455	455	0.000
8	19.14	32.81		10	19.25	32.69		23.22	466	466	0.046
15	19.52	32.39		20	16.81	33.22		24.21	372	372	0.088
23	15.18	33.71		30	14.34	33.87		25.27	271	272	0.120
38	13.38	34.06		50	12.44	34.07		25.80	220	221	0.170
57	12.02	34.03		75	11.09	33.98		25.99	203	204	0.223
76	11.04	33.98		100	9.73	33.92		26.18	184	186	0.272
113	9.00	33.89		125	8.31	33.85		26.34	169	170	0.316
141	7.45	33.79		150	7.07	33.76		26.45	158	160	0.358
170	6.30	33.69		200	4.99	33.51		26.52	152	154	0.437
220	4.11	33.42		250	3.17	33.48		26.68	137	138	0.510
271	2.71	33.56		300	2.62	33.61		26.83	122	124	0.575
341	2.50	33.67		400	2.45	33.79		26.99	108	109	0.692
415	2.45	33.82									

STATION OS73136

LATITUDE 42-00 N LONGITUDE 141-29 E DATE 73-09-06 21.1 (GMT) DEPTH 490 COL. 05 TR. 13

SEA 09 3A SWELL 09 1A WIND 10 03F AIR TEMP. DRY 18.2 WET BAR. WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	18.80	33.35		0	18.80	33.35		23.83	408	407	0.000
9	18.83	33.21		10	18.74	33.25		23.77	413	413	0.041
18	17.50	33.69		20	16.97	33.76		24.59	335	336	0.079
27	15.13	33.94		30	14.48	33.97		25.31	267	267	0.109
44	12.17	34.00		50	11.72	33.99		25.88	213	214	0.157
66	10.52	33.93		75	10.21	33.92		26.09	192	194	0.208
88	9.76	33.91		100	9.07	33.88		26.25	178	179	0.255
113	8.33	33.84		125	7.87	33.80		26.38	166	168	0.298
140	7.39	33.76		150	7.10	33.74		26.43	160	162	0.340
167	6.46	33.69		200	3.88	33.48		26.61	144	145	0.417
207	3.33	33.43		250	2.87	33.39		26.63	141	142	0.489
282	2.53	33.42		300	2.30	33.42		26.71	134	135	0.558
327	2.03	33.42		400	2.23	33.33		26.64	141	142	0.697
418	2.47	33.29									

8. Data on Plankton Collected by Vertical Hauls with a Norpac Net

Vertical hauls with a Norpac net were carried out at OS 73129-133. The net was 45 cm in mouth diameter, 180 cm long in netting made of Pylen No. 60 having 0.35 mm x 0.35 mm mesh openings. The net was lowered to the estimated depth of 150 m at OS 73129-131 and to near to the bottom at OS 73132-133, and was immediately hauled to the surface at a speed of about 1 m/sec.

A flow-meter was mounted at the center of the mouth of the net to register the volume of water filtered, which was calibrated on September 6.

Sampling and measurement of wet weight of samples were carried out by students aboard under the supervision of T. Kawamura and T. Minoda.

Data on flow-meter calibration

Wire length (m)	Revolutions
100	1160
100	1168
100	1168
Mean revolutions per 100 m: 1165.3	

Table 2. Date on Plankton collected by vertical hauls with a Norpac net (pylen No. 60: 0.35 mm x 0.35 mm mesh openings).

Station	Position	Time of sampling				Length of wire (m)	Angle of wire (°)	Depth estimated by wire angle (m)	Revolutions of flow-meter	Estimated volume of water filtered (m^3)	Wet weight (gr)		Sample No.
		Ship's time		GMT							per haul	per 10^3 m^3	
		Date	Hour	Date	Hour								
OS 73129	42°00'N 144°00'E	Sept.4	1132 -1138	Sept.4	0232 -0238	167	25	151	2114	28.75	3.2	111.3	54
OS 73130	42°21'N 144°07'E	Sept.4	1905 -1910	Sept.4	1005 -1010	200	41	151	2990	40.66	13.1	322.1	55
OS 73131	42°38'N 144°15'E	Sept.5	0207 -0211	Sept.4	1707 -1711	155	17	148	1600	21.76	7.0	321.7	56
OS 73132	42°38'N 144°00'E	Sept.6	1105 -1112	Sept.6	0205 -0212	125	22	116	1578	21.46	5.2	242.3	57
OS 73133	42°16'N 143°37'E	Sept.6	1535 -1540	Sept.6	0635 -0640	100	25	91	1102	14.99	4.9	326.9	58

9. Data on Plankton Collected by Simultaneous Tow with Motoda Horizontal Nets

At OS 73129-133 simultaneous horizontal tows were carried out with 7 Motoda Horizontal Nets (MTD closing nets: Motoda 1971, Bull. Fac. Fish., Hokkaido Univ., 22: 101-106), 56 cm in mouth diameter, made of Pylen No. 60 (0.35 mm x 0.35 mm mesh openings) on September 4-6.
Nets were attached to a single wire cable, 4 mm diameter, at appropriate intervals, and they were towed horizontally by the drift of the ship or at a dead slow, keeping the wire angle about 45° for approximately 30 minutes. After tow was completed, a messenger was slid down to close sweeping nets. Sampling and measurement of wet weight of samples were carried out by students aboard under supervision of T. Kawamura and T. Minoda.

Table 3. Data on Plankton collected by simultaneous horizontal tow with MTD nets at OS 73129 - OS 73133.

Station	Time (LMT)	Angle of wire (°)	Length of wire (m)	Depth of collection (m)	Wet weight per haul (gr)	Sample No.	Remarks
			0	0	5.0	1	
			14	10	-		Sample was lost before fixation
OS 73129	1246	45	29	20	50.1	2	
	⌇	⌇	43	30	0.9	3	
	1315	46	70	50	53.6	4	
	(Sept.4)		142	99-100	50.1	5	
			213	148-151	73.0	6	
			283	182-232	42.0	7	
			424	273-347	55.4	8	
OS 73129	1400	35	566	364-464	42.0	9	
	⌇	⌇	700	450-573	35.0	10	
	1432	50	850	547-696	77.6	11	Closure was failed, collected 0-696 m layers.
	(Sept.4)		990	637-811	67.6	12	Closure was failed, collected 140-811 m layers.
			1130	727-926	45.0	13	Closure was failed, collected 280-926 m layers.

Station	Time (LMT)	Angle of wire (°)	Length of wire (m)	Depth of collection (m)	Wet weight per haul (gr)	Sample No.	Remarks
			0	0	52.3	14	
			14	7-10	77.1	15	
			27	14-20	206.3	16·17	Closure was failed, collected 0-20 m layers.
OS 73130	1935 ı 2005	45 ı 59	43	22-30	10.6	18	Closure was failed, collected 16-30 m layers.
	(Sept.4)		70	36-50	104.1	19	Closure was failed, collected 43-50 m layers.
			142	73-100	65.0	20	Closure was failed, collected 73-115 m layers.
			213	110-150	77.0	21	Closure was failed, collected 110-186 m layers.
			283	128-193	37.1	22	
			424	192-289	42.4	23	
OS 73130	2054 ı 2125	47 ı 61	566	257-386	55.0	24	
			700	318-477	92.0	25	
	(Sept.4)		850	386-580	152.0	26·27	Closure was failed, collected 0-580 m layers.
			990	447-675	177.3	28·29	Closure was failed, collected 290-675 m layers.
			1130	513-771	139.8	30·31	Closure was failed, collected 430-771 m layers.
			0	0	75.0	32	
			14	8-10	85.1	33	
OS 73131	0237 ı 0308	45 ı 57	28	15-20	112.7	34	
			43	23-30	110.3	35·45	
			70	38-50	67.2	36	
	(Sept.5)		142	77-100	27.0	37	
			213	116-150	37.1	38	

Station	Time (LMT)	Angle of wire (°)	Length of wire (m)	Depth of collection (m)	Wet weight per haul (gr)	Sample No.	Remarks
			283	203-223	75.0	39	
OS 73131	0403 ' 0433	38 ' 44	424	305-334	62.0	40	
			566	407-446	80.0	41	
	(Sept.5)		700	503-552	15.2	42	
			850	611-670	9.5	43	
			0	0	5.5	46	
			14	9-11	25.8	47	
OS 73132	1131 ' 1201	39 ' 48	28	19-22	32.5	48	
			42	28-33	25.8	49·50	
	(Sept.6)		70	47-54	35.3	51	
			106	71-82	18.5	52	
			142	95-110	119.2	53·54	Bottom mud was also collected
			0	0	2.0	55	A part of sample was lost after weighing
			14	9-10	5.0	56	
OS 73133	1616 ' 1642	42 ' 50	28	18-21	13.5	57	
			42	27-31	28.0	58	
	(Sept.6)		70	45-52	47.5	59	
			106	68-79	118.0	60	
			142	91-106	9.0	61	

10. Data on Trawl Fishing

Three operations of stern otter trawling were carried out on the bottom off Muroran, Hokkaido, on September 7, 1973.
Operation was supervised by the Captain and deck officers.
Data on catch of marketable fish were preparated by the Chief officer.
Students were engaged in separation and measurements of the catch under the guidance of Igarashi.
Species of fish and large-sized invertebrates were identified by the member of the Marine Zoological Laboratory of the University.
Specimens are deposited at the Marine Zoological Laboratory, and further detailed examination by specialist in any institution will be appreciated.

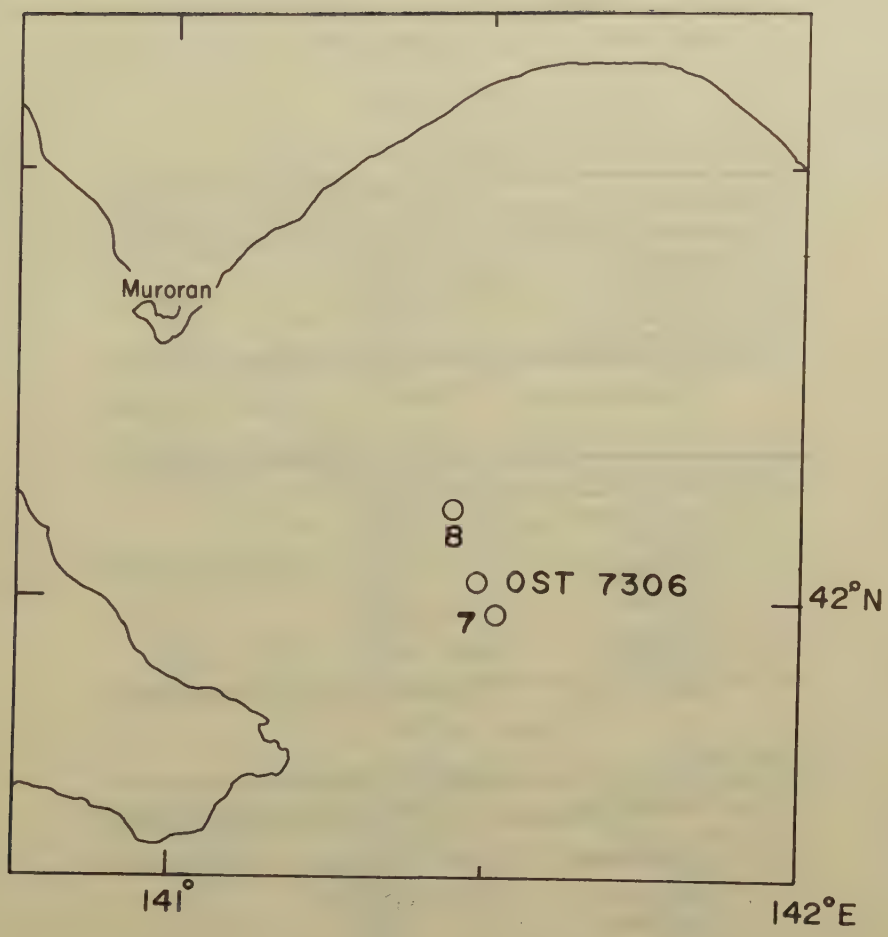


Fig. 3. Locations of trawl fishing at the east of Esan

Table 4. Composition of major groups of fishes in trawl catch.

OST 7306

No.	Major group	Weight (kg)	Percentage
1.	Morid fishes	445.0	91.4
2.	Eelpouts	37.0	7.6
3.	Rockfishes	2.8	0.6
4.	Prawn	1.7	0.3
5.	Medusafish	0.2	0.07
6.	Lanternfish	0.1	0.03
	Total	486.8	100.0

OST 7307

No.	Major group	Weight (kg)	Percentage
1.	Morid fishes	240.0	89.0
2.	Eelpouts	19.0	7.0
3.	Octopus	7.0	2.6
4.	Rockfishes	2.4	0.9
5.	Whitings	0.8	0.3
6.	Prawn	0.3	0.1
7.	Medusafish	0.2	0.07
8.	Lanternfish	0.1	0.03
	Total	269.8	100.0

OST 7308

No.	Major group	Weight (kg)	Percentage
1.	Eelpouts	580.0	33.9
2.	Morid fishes	342.0	20.0
3.	Skates	234.0	13.7
4.	Rockfishes	197.0	11.5
5.	Starfishes	94.0	5.5
6.	Octopus	87.0	5.1
7.	Synaphobranchid eel	39.0	2.3
8.	Tunner crab	39.0	2.3
9.	Prawn	34.0	2.0
10.	Neptune	27.0	1.5
11.	Squid	17.0	1.0
12.	Flatfishes	12.0	0.7
13.	Whitings	7.0	0.4
14.	Sculpins	1.0	0.1
	Total	1710.0	100.0

11. List of Species of Fishes and Invertebrates Collected by Trawl Fishing

Pisces

Ord. Lamniformes

Fam. Squalidae

1) Centroscyllium ritteri JORDAN & FOWLER kasumizame

Ord. Rajiformes

Fam. Rajidae

2) Bathyraja trachouros ISHIYAMA zarakasube

3) Bathyraja aleutica (GILBERT) arasukakasube

4) Bathyraja diplotaenia ISHIYAMA ribonkasube

Ord. Anguilliformes

Fam. Synaphobranchidae

5) Synaphobranchus kaupii JOHNSON horaanago

Ord. Notacanthiformes

Fam. Notacanthidae

6) Notacanthus fascidens MATSUBARA kurosokogisu

Ord. Myctophiformes

Fam. Myctophidae

7) Lampanyctus jordaniGILBERT mamehadaka

8) Notoscopelus elongatus (COSTA) ōkuchiiwashi

Ord. Gadiformes

Fam. Moridae

9) Antimora microlepis BEAN kanadadara

10) Laemonema longipes SCHMIDT itohikidara

Fam. Gadidae

11) Theragra chalcogramma (PALLAS) suketōdara

Ord. Perciformes

Fam. Stromateidae

12) Icichthys lockingtoni JORDAN & GILBERT kuroaburaibodai

Fam. Stichaeidae

13) Stichaeus nozawai JORDAN & SNYDER tauegaji

Fam. Lumpenidae

14) Lumpenella nigricans MATSUBARA nezumiginpo

Fam. Zoarcidae

15) Lycodes hubbsi MATSUBARA yokosujikurogenge

16) Bothrocarichthys microcephalus SCHMIDT kamuchakkagenge

17) Lycogramma zesta (JORDAN & FOWLER) shirogenge

18) Zestichthys tanakai JORDAN & HUBBS kantengenge

Ord. Cottiformes

Fam. Scorpaenidae

19) Sebastes flameus (JORDAN & STARDS) sankōmenuke

20) Sebastolobus macrochir (GÜNTHER) kichiji

Fam. Cottidae

21) Zesticelus bathybius (GÜNTHER) sokokajika

Ord. Pleuronectiformes

Fam. Pleuronectidae

22) Atheresthes evermanni JORDAN & STARKS aburagarei

23) Hippoglossoides robustus GILL & TOWNSEND dorogarei

24) Glyptocephalus stelleri (SCHMIDT) hireguro

Invertebrates

Phylum Mollusca

Fam. Cymatidae

1) Fusitriton oregonensis (REDFIELD) ayabora

Fam. Buccinidae

2) Neptunea intersculpta (SOWERBY) ezoboramodoki

3) Neptunea polycostraca SCARATO ezobora

4) Neptunea eulimata lamellosa GOLIKOV kuriiroezobora

5) Buccinum tenue GRAY chijiwaezobai

6) Japelion pericochlion (SCHRENCK) nejibora

Fam. Sepiolidae

7) Rossia pacificus BERRY bōzuika

Fam. Onichoteuthidae

8) Gonatus (Berryteuthis) majister BERRY dosuika

Fam. Todarodidae

9) Todarodes pacificus STEENSTRUP surumeika

Fam. Opisthoteuthidae

10) Opisthoteuthis depressa IJIMA & IKEDA mendako

Fam. Octopodidae

11) Paroctopus dofleini dofleini (WÜKER) mizudako

12) Paroctopus conispadiens (SASAKI) yanagidako

Phylum Arthropoda

Fam. Pandalidae

13) Pandalopsis coccinata URITA higoromoebi

Fam. Majidae

14) Chionoecetes opilio (O. FABRICIUS) zuwaigani

Phylum Echinodermata

Fam. Astropectinidae

15) Leptychaster arcticus (SARS) kitausumomiji

Fam. Goniasteridae

16) Ceramaster japonicus (SLADEN) gokakuhitode

Fam. Solasteridae

17) Solaster borealis (FISHER) akanichirinhitode

5

THE "HOKUSEI MARU" CRUISE 36 TO THE EASTERN AREA OF CAPE ESAN IN APRIL 1972

1. Cruise Itinerary

Departure from Hakodate	April 12, 1972
Arrival at Shiogama	13
Departure from Shiogama	15
Starting trawl fishing of the first series (HOT 7201)	17
Hydrographic cast (HO 72001)	22
Finishing trawl fishing of the first series (HOT 7222)	22
Arrival at Muroran	23
Departure from Muroran	24
Starting trawl fishing of the second series (HOT 7223)	25
Finishing trawl fishing of the second series (HOT 7227)	25
Return to Hakodate	26

Total coverage 866.9 miles, 14 days at sea, 1 day in ports

2. Vessel Personnel

Captain:		Associate Professor	Shoji Saito
Crew:	Chief Officer	Instructor	Genji Kobayashi
	Second Officer	Research Associate	Gen Anma
	Third Officer	Research Associate	Seiji Sasaki
	Chief Engineer		Shoji Okubo
	First Engineer		Minoru Fujita
	Second Engineer		Sho Takashimizu
	Radio Operator		Shiro Noguchi
	and 14 men		
Cadets:	18 cadets, Department of Fishing Science		
Total:	40 persons		

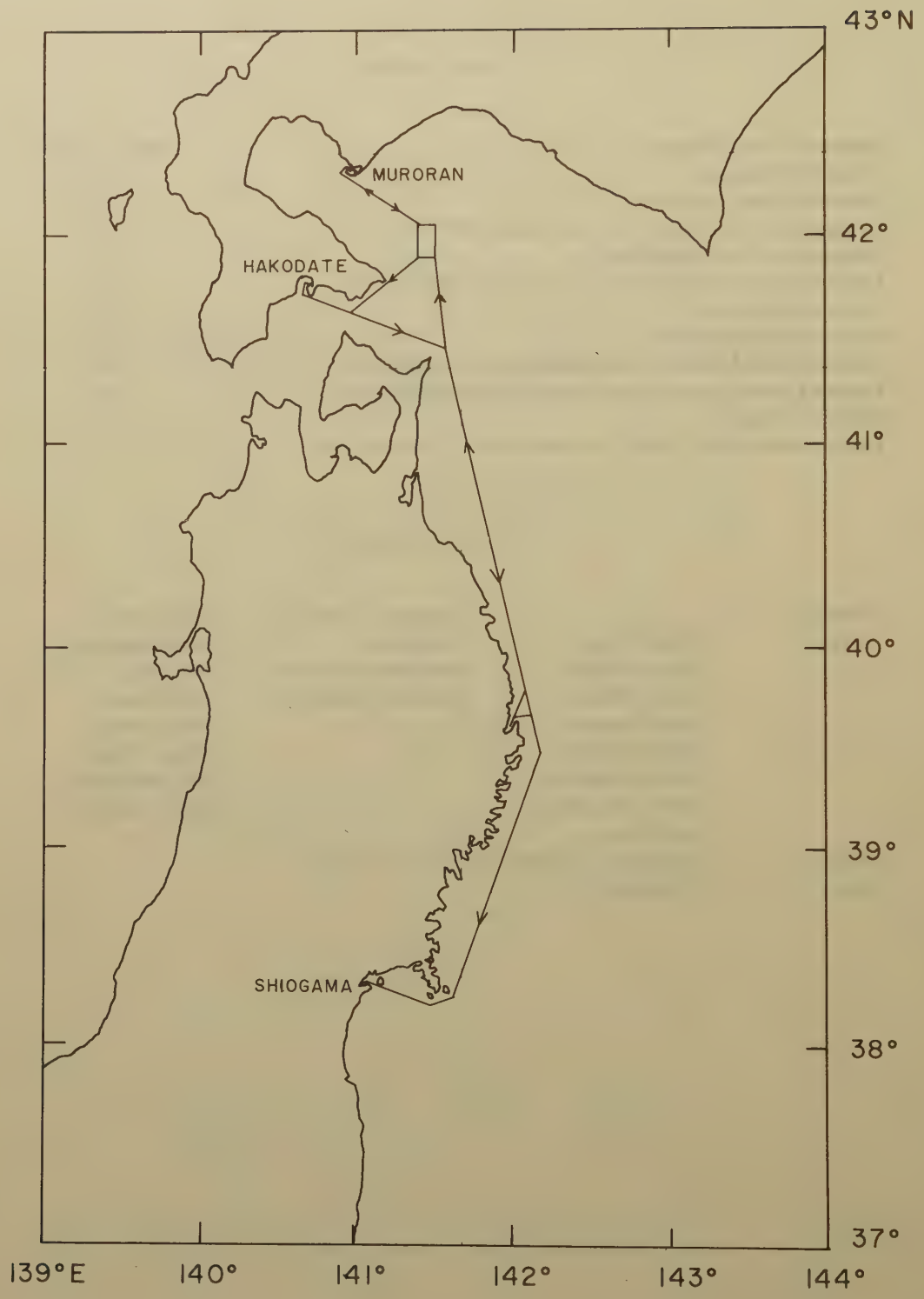


Fig. 1 Track chart

3. Items of Observation

Hydrocast:

At 1 station, temperature measurement and sampling of water for salinity determination were carried out, covering the depths from the surface down to about 400 meters.

Trawl fishing:

27 trawl casts were made in the sea area adjacent to the east of Cape Esan, Hokkaido.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Hokusei Maru"

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic station

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
HO 72001	42-00N	141-29E	Apr.22	1342-1430	Apr.22	0442-0530	Radar

Table 2 Oceanographic data

STATION HO72001

LATITUDE 42-00 N LONGITUDE 141-29 E DATE 72-04-22 13.7 (GMT) DEPTH 442 COL. TR.
SEA 09 1A SWELL 14 1A WIND 09 01F AIR TEMP. DRY 07.8 WET BAR. 22.1 WEATHER XO

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	6.20	32.39		0	6.20	32.39		25.49	250	249	0.000
10	3.13	32.71		10	3.13	32.71		26.07	195	194	0.022
20	3.13	33.01		20	3.13	33.01		26.31	172	172	0.041
30	0.50	32.70		30	0.50	32.70		26.25	178	177	0.058
50	1.47	33.06		50	1.47	33.06		26.48	156	156	0.092
75	2.32	33.24		75	2.32	33.24		26.56	148	148	0.130
100	5.35	33.65		100	5.35	33.65		26.59	146	146	0.167
150	6.26	33.80		150	6.26	33.80		26.59	145	147	0.240
200	4.24	33.67		200	4.24	33.67		26.73	132	134	0.310
300	3.26	33.69		300	3.26	33.69		26.84	122	123	0.440
400	3.23	33.80		400	3.23	33.80		26.93	113	115	0.559

5. Data on Trawl Fishing

Operation was supervised by the captain and deck officers, and all hands of crew and cadets were engaged in the work.

Recording of fish species caught by trawling was made by deck officers.

Fig. 2 Locations of trawl fishing and oceanographic station

413

Table 3 Data on trawl fishing

No. of fishing	Date and time of net cast	Position Lat.(N)	Position Long.(E)	Direction of tow	Duration of tow	Speed of tow(Kt)	Depth of sea bottom(m)	Temperature (°C) Surface	Temperature (°C) Near bottom	Weather	Wind
HOT 7201	Apr.17 0742	42-00	141-30	355	$1^h\ 56^m$	3.3	452	2.9	-	bc	SSE 2
HOT 7202	17 1132	42-04	141-28	155	1 59	3.0	466	3.6	-	bc	SE 3
HOT 7203	17 1512	42-00	141-29	385	1 55	3.2	430	2.8	-	o	SE 3
HOT 7204	17 1903	42-06	141-25	145	1 55	3.1	400	2.9	-	o	SE 5
HOT 7205	18 0627	42-06	141-27	170	1 56	3.1	440	3.4	-	c	West 3
HOT 7206	18 1027	42-01	141-27	340	2 00	3.3	426	2.6	-	b	WNW 3
HOT 7207	18 1431	42-06	141-26	310	1 56	2.9	435	3.0	-	b	WNW 3
HOT 7208	18 1905	42-06	141-25	160	2 03	3.1	428	2.4	-	bc	SW 3
HOT 7209	19 0640	42-06	141-25	165	1 59	3.0	425	3.0	-	o	SW 2
HOT 7210	19 1029	42-01	141-29	350	1 58	3.5	465	2.4	-	r	ENE 1
HOT 7211	19 1425	42-05	141-28	155	2 05	3.1	485	3.8	-	d	Calm
HOT 7212	19 1807	42-03	141-28	340	1 58	2.9	440	3.8	-	r	Calm
HOT 7213	20 0730	42-05	141-25	160	2 04	3.0	423	3.1	-	r	NW 1
HOT 7214	20 1156	42-01	141-28	340	1 59	3.1	425	3.2	-	r	WNW 2
HOT 7215	20 1532	42-06	141-25	160	1 51	3.9	420	4.2	-	bc	Calm
HOT 7216	20 1940	42-02	141-27	340	1 55	2.9	422	3.8	-	bc	Calm
HOT 7217	21 0704	42-02	141-28	160	1 13	3.4	435	3.0	-	b	Calm
HOT 7218	21 1126	42-03	141-28	330	1 58	3.3	445	3.2	-	b	West 1
HOT 7219	21 1519	42-05	141-27	150	2 01	3.1	458	3.2	-	b	NW 3
HOT 7220	21 1918	42-01	141-28	350	0 06	-	425	4.6	-	b	WNW 3
HOT 7221	22 0618	42-02	141-28	340	1 17	3.3	425	2.8	-	bc	NNW 1
HOT 7222	22 1623	42-00	141-26	350	1 35	-	414	5.1	-	bc	SSE 2
HOT 7223	25 0610	42-01	141-28	340	2 00	3.3	420	4.7	-	f	West 2
HOT 7224	25 0932	42-05	141-26	160	2 02	3.3	428	4.9	-	f	West 1
HOT 7225	25 1301	41-58	141-30	160	0 09	-	440	4.0	-	bc	SE 1
HOT 7226	25 1445	42-02	141-28	340	2 01	3.1	421	6.2	-	bc	SSE 1
HOT 7227	25 1820	42-06	141-25	160	2 20	3.5	415	5.0	-	o	SSE 2

Table 4 Data on catches by trawl fishing in kg per haul

Species	Gyoshu	7201	7202	7203	7204	7205	7206	7207	7208	7209	7210	7211	7212	7213	7214	7215
Doderleinia berycoides	Akamutsu	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Sebastes flammeus	Sangomenuke	18	14	26	27	34	20	27	54	31	20	7	17	6	8	2
Sebastolobus macrochir	Kichiji	91	130	51	26	149	46	260	41	65	255	256	121	23	36	33
Pleuronectoidea	Karei	2	8	0	0	0	3	0	2	5	4	3	0	0	2	2
Chionoecetes opilio	Zuwaigani	1	1	1	14	1	7	6	5	10	8	1	8	22	2	3
Pandalopsis coccinate	Higoromoebi	5	2	4	3	3	11	3	5	5	6	3	4	10	7	11
Paroctopus dofleini dofleini	Mizudako	5	6	8	13	2	18	5	16	12	9	7	8	24	2	13
Neptunea intersculpta	Ezoboramodoki	1	1	1	7	1	3	3	2	5	3	1	1	1	1	1
	Total	123	162	91	90	190	108	306	125	133	305	278	159	86	58	65

7216	7217	7218	7219	7220	7221	7222	7223	7224	7225	7226	7227
0	0	2	1	0	2	1	2	4	0	4	3
8	8	6	12	5	9	0	11	11	0	11	19
42	24	104	135	1	5	6	15	13	4	36	29
1	1	3	0	1	0	0	0	0	0	0	0
3	1	1	0	0	0	0	1	0	0	1	0
8	7	8	8	2	8	0	7	7	2	8	11
11	16	3	1	5	9	6	6	3	3	2	10
3	1	0	0	0	0	0	0	0	0	0	0
76	58	127	157	14	33	13	42	38	9	62	72

6

THE "HOKUSEI MARU" CRUISE 38 TO THE EASTERN AREA OF CAPE ESAN IN APRIL 1973

1. Cruise Itinerary

Departure from Hakodate	April 14, 1973
Arrival at Kamaishi	15
Departure from Kamaishi	17
Starting hydrographic cast of the first series (HO 73001)	18
Starting trawl fishing of the first series (HOT 7301)	18
Finishing trawl fishing of the first series (HOT 7306)	19
Finishing hydrographic cast of the first series (HO 73009)	19
Arrival at Muroran	10
Departure from Muroran	12
Starting hydrographic cast of the second series (HO 73010)	12
Starting trawl fishing of the second series (HOT 7307)	12
Finishing hydrographic cast of the second series (HO 73014)	13
Finishing trawl fishing of the second series (HOT 7311)	13
Return to Hakodate	14

Total coverage 445.3 miles, 9 days at sea, 2 days in ports

2. Vessel Personnel

Captain:		Associate Professor	Shoichi Yamamoto
Crew:	Chief Officer	Research Associate	Kiyohiko Ishii
	Second Officer	Research Associate	Gen Anma
	Third Officer	Research Associate	Seiji Sasaki
	Chief Engineer		Shoji Okubo
	First Engineer		Minoru Fujita
	Second Engineer		Sho Takashimizu
	Radio Operator		Shiro Noguchi
	and 13 men		
Cadets:	15 cadets, Department of Fishing Science		
Total:	36 persons		

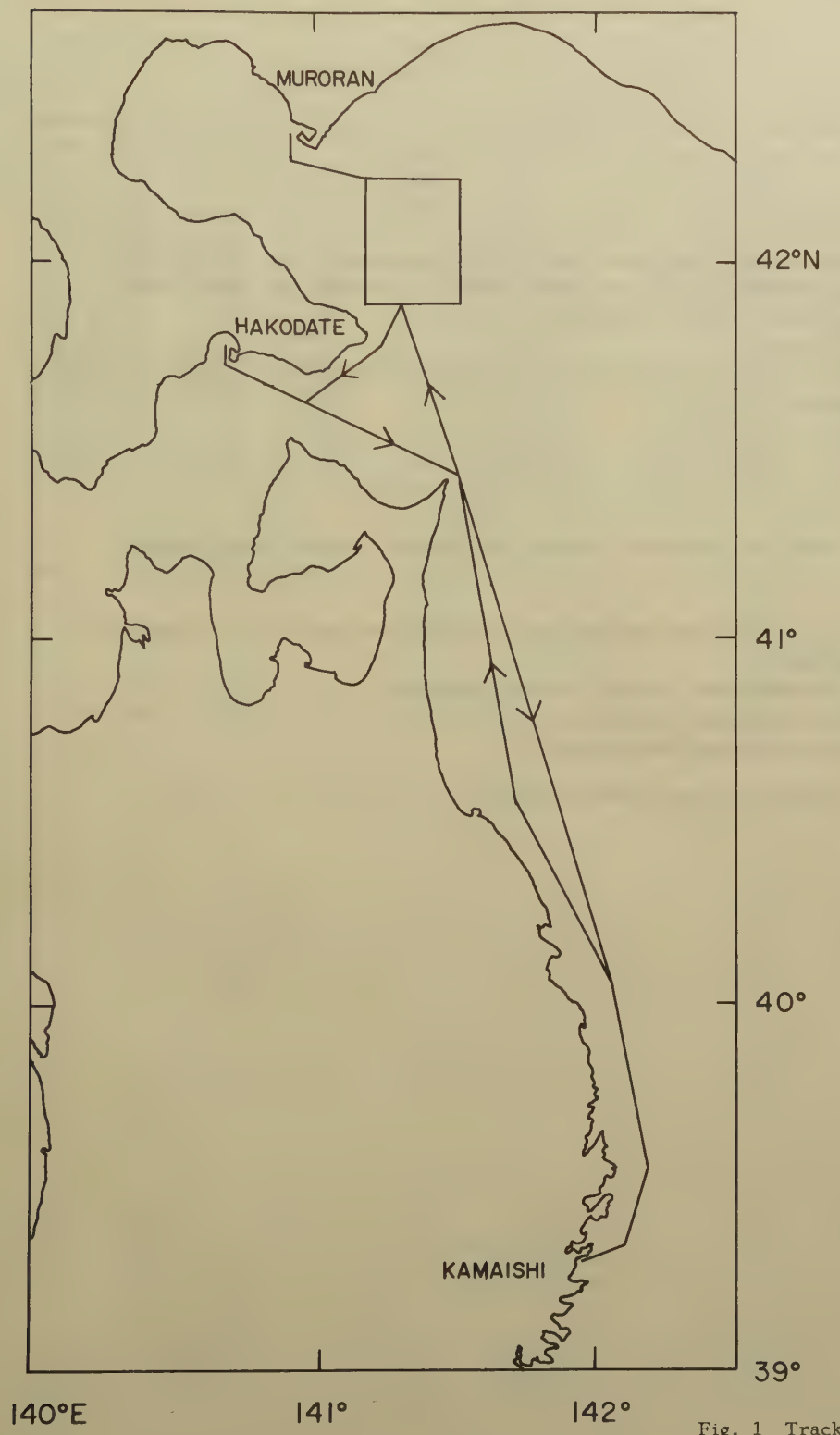


Fig. 1 Track chart

3. Items of Observation

Hydrocast:

At 14 stations, temperature measurement, sampling of water for salinity determination and STD cast were carried out, covering the depths from the surface down to the bottom.

Trawl fishing:

11 trawl casts were made in the sea area adjacent to the east of Cape Esan, Hokkaido.

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing was made by the officers of the "Hokusei Maru".

Salinity was determined with AUTO-LAB Salinometer.

Interpolation and dynamic computation using Akiba's program* was made by means of the electronic computer FACOM 230-60.

* Bull. Fac. Fish. Hokkaido Univ. No. 4. Vol. 21

Table 1 List of oceanographic stations

No. of station	Position		S.M.T.		G.M.T.		Remarks
	Lat.	Long.	Date	Hour	Date	Hour	
HO 73001	41-54N	141-19E	Apr. 8	0329-0432	Apr. 7	1829-1932	Radar
HO 73002	41-55N	141-31E	8	0541-0646	7	2041-2146	Radar
HO 73003	42-01N	141-02E	8	2055-2140	8	1155-1240	Radar
HO 73004	42-01N	141-14E	8	2240-2344	8	1340-1444	Radar
HO 73005	42-02N	141-19E	9	0022-0137	8	1522-1637	Radar
HO 73006	42-04N	141-26E	9	0238-0418	8	1738-1918	Radar
HO 73007	42-04N	141-29E	9	1910-2037	9	1010-1137	Radar
HO 73008	42-04N	141-26E	9	2105-2219	9	1205-1319	Radar
HO 73009	42-11N	141-18E	9	2334-0056	9	1434-1556	Radar
HO 73010	42-15N	141-06E	12	0820-0850	11	2320-2350	Radar
HO 73011	42-13N	141-12E	12	2010-2104	12	1110-1204	Radar
HO 73012	42-10N	141-17E	12	2153-2302	12	1253-1402	Radar
HO 73013	42-11N	141-26E	12	2357-0124	12	1457-1524	Radar
HO 73014	42-07N	141-23E	13	0205-0302	12	1705-1802	Radar

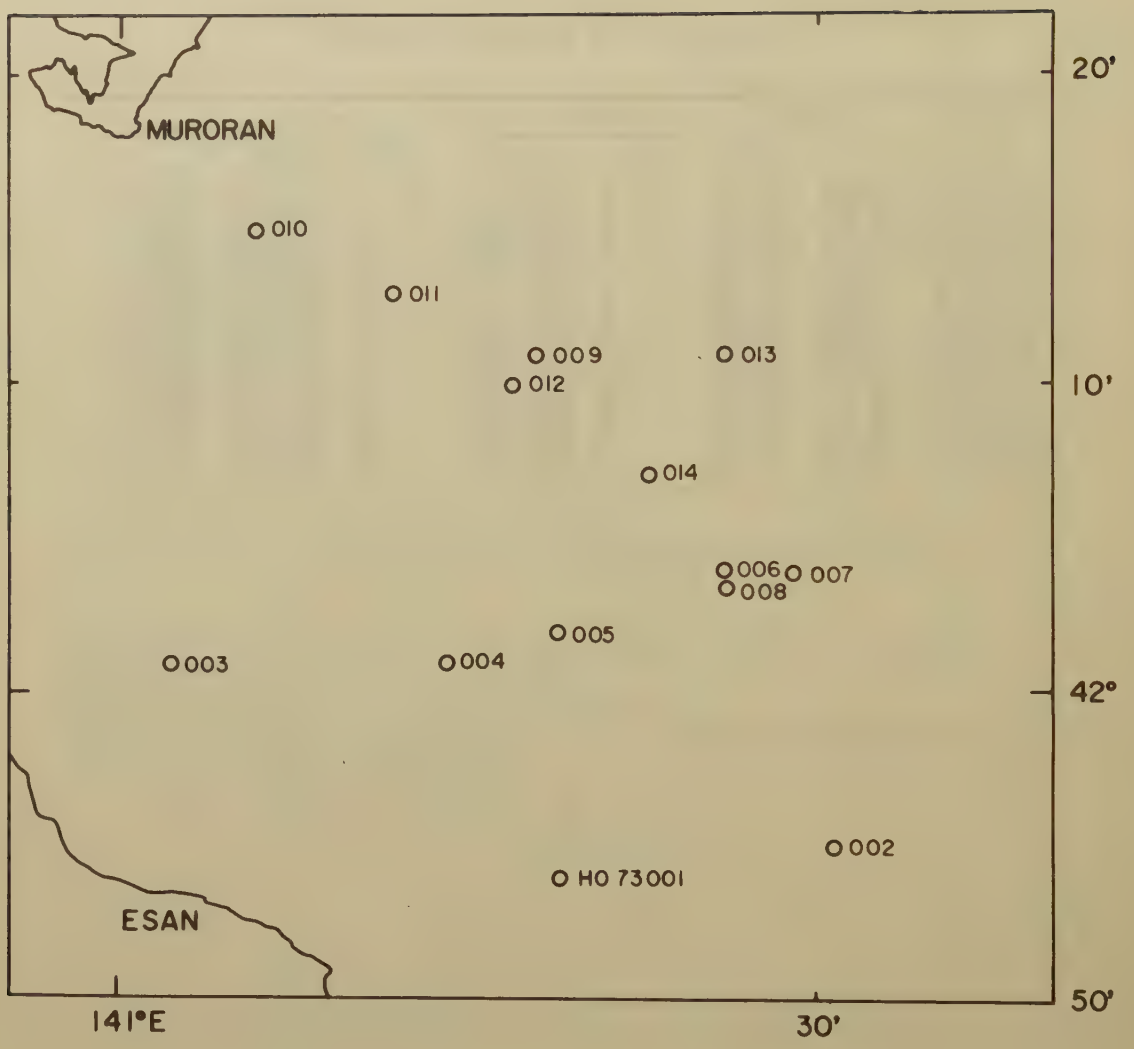


Fig. 2 Oceanographic stations

Table 2 Oceanographic data

STATION HO73001

LATITUDE 41-54 N LONGITUDE 141-19 E DATE 73-04-07 18.5 (GMT) DEPTH 300 COL. TR.
SEA 33 1A SWELL 19 1A WIND 33 01F AIR TEMP. DRY 04.1 WET BAR. 21.0 WEATHER X0

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	2.40	32.71		0	2.40	32.71		26.13	189	189	0.000
10	2.41	32.71		10	2.41	32.71		26.13	189	189	0.019
20	2.68	32.89		20	2.68	32.89		26.25	177	177	0.037
30	3.74	33.20		30	3.74	33.20		26.40	163	163	0.054
50	5.14	33.46		50	5.14	33.46		26.46	158	158	0.086
75	5.32	33.53		75	5.32	33.53		26.50	154	155	0.126
100	5.78	33.61		100	5.78	33.61		26.50	153	154	0.164
125	5.31	33.57		125	5.31	33.57		26.53	151	152	0.203
150	6.69	33.72		150	6.69	33.72		26.47	156	158	0.242
200	5.05	33.71		200	5.05	33.71		26.67	138	140	0.316
249	3.27	33.58		250	3.26	33.58		26.75	130	131	0.384
290	3.63	33.69									

STATION HO73002

LATITUDE 41-55 N LONGITUDE 141-31 E DATE 73-04-07 20.7 (GMT) DEPTH 510 COL. TR.
SEA 16 2A SWELL 21 1A WIND 16 02F AIR TEMP. DRY 04.2 WET BAR. 22.5 WEATHER X0

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.80	33.10		0	3.80	33.10		26.32	171	171	0.000
10	4.07	33.18		10	4.07	33.18		26.36	168	167	0.017
20	4.15	33.25		20	4.15	33.25		26.40	163	163	0.034
30	4.32	33.31		30	4.32	33.31		26.43	160	160	0.050
50	4.54	33.34		50	4.54	33.34		26.43	160	160	0.082
75	4.98	33.43		75	4.98	33.43		26.46	158	159	0.122
100	5.84	33.59		100	5.84	33.59		26.48	156	157	0.161
125	5.66	33.57		125	5.66	33.57		26.49	155	156	0.201
150	5.50	33.54		150	5.50	33.54		26.48	156	157	0.240
200	5.02	33.54		200	5.02	33.54		26.54	150	152	0.317
250	4.26	33.54		250	4.26	33.54		26.62	142	144	0.392
300	3.26	33.53		300	3.26	33.53		26.71	134	135	0.462
399	3.12	33.69		400	3.12	33.69		26.85	120	122	0.591
490	3.30	33.83									

STATION HO73003

LATITUDE 42-01 N LONGITUDE 141-02 E DATE 73-04-08 11.9 (GMT) DEPTH 100 COL. TR.
SEA 20 4A SWELL 20 1A WIND 20 04F AIR TEMP. DRY 11.0 WET BAR. 12.7 WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.70	32.74		0	3.70	32.74		26.04	197	197	0.000
8	2.81	32.72		10	2.75	32.75		26.14	188	188	0.019
17	2.80	32.91		20	2.87	32.97		26.30	172	172	0.037
25	3.06	33.08		30	3.45	33.18		26.41	162	162	0.054
42	4.40	33.38		50	4.75	33.48		26.52	152	152	0.086
62	5.03	33.58		75	5.10	33.64		26.61	144	144	0.123
99	4.52	33.60									

STATION HO73004

LATITUDE 42-01 N LONGITUDE 141-14 E DATE 73-04-08 13.7 (GMT) DEPTH 207 COL. TR.
SEA 27 4A SWELL 27 1A WIND 27 04F AIR TEMP. DRY 10.8 WET BAR. 11.5 WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.00	32.68		0	3.00	32.68		26.06	196	196	0.000
9	2.03	32.71		10	1.96	32.71		26.16	186	185	0.019
18	2.46	32.86		20	3.30	33.02		26.30	173	173	0.037
28	6.66	33.67		30	6.66	33.72		26.48	156	156	0.054
46	6.63	33.73		50	6.60	33.73		26.50	154	155	0.085
70	6.48	33.74		75	6.47	33.74		26.52	152	153	0.123
91	6.57	33.76		100	6.81	33.82		26.54	150	151	0.161
114	7.19	33.90		125	6.77	33.86		26.57	147	149	0.199
137	6.32	33.78		150	5.83	33.73		26.59	145	147	0.236
192	4.28	33.64									

STATION HO73005

LATITUDE 42-02 N LONGITUDE 141-19 E DATE 73-04-08 15.4 (GMT) DEPTH 310 COL. TR.
SEA 34 1A SWELL 27 1A WIND 34 01F AIR TEMP. DRY 05.4 WET BAR. 13.2 WEATHER X6

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	2.70	32.71		0	2.70	32.71		26.11	191	191	0.000
10	2.52	32.72		10	2.52	32.72		26.13	189	189	0.019
20	2.60	32.92		20	2.60	32.92		26.28	174	174	0.037
29	3.80	33.19		30	3.90	33.21		26.40	164	164	0.054
49	5.24	33.47		50	5.27	33.48		26.46	158	158	0.086
74	5.71	33.59		75	5.73	33.59		26.50	154	155	0.126
98	5.98	33.64		100	5.96	33.64		26.50	154	154	0.164
123	5.68	33.61		125	5.67	33.61		26.52	152	153	0.203
148	5.69	33.64		150	5.76	33.65		26.54	150	152	0.241
195	6.60	33.82		200	6.27	33.79		26.58	146	148	0.317
241	3.60	33.51		250	3.41	33.50		26.67	138	139	0.389
282	3.82	33.57									

STATION HO73006

LATITUDE 42-04 N LONGITUDE 141-26 E DATE 73-04-08 17.6 (GMT) DEPTH 400 COL. TR.
SEA 29 4A SWELL 28 1A WIND 29 05F AIR TEMP. DRY 05.0 WET BAR. 14.0 WEATHER X2

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.60	32.03		0	3.60	32.03		25.49	250	250	0.000
8	3.61	33.03		10	3.64	33.04		26.29	174	174	0.021
20	3.90	33.10		20	3.90	33.10		26.31	172	172	0.039
30	4.21	33.19		30	4.21	33.19		26.35	168	168	0.056
50	4.90	33.42		50	4.90	33.42		26.46	158	158	0.088
67	6.04	33.61		75	6.06	33.64		26.49	155	155	0.128
100	6.14	33.64		100	6.14	33.64		26.48	156	156	0.167
125	6.06	33.64		125	6.06	33.64		26.49	155	156	0.206
129	6.04	33.64		150	5.85	33.63		26.51	153	154	0.245
193	5.04	33.56									

STATION HO73007

LATITUDE 42-04 N LONGITUDE 141-29 E DATE 73-04-09 10.2 (GMT) DEPTH 500 COL. TR.
SEA 02 3A SWELL 31 1A WIND 02 03F AIR TEMP. DRY 04.8 WET BAR. 22.5 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.30	33.19		0	4.30	33.19		26.34	169	169	0.000
10	4.23	33.17		10	4.23	33.17		26.33	170	170	0.017
20	4.26	33.17		20	4.26	33.17		26.33	170	170	0.034
29	4.14	33.21		30	4.15	33.22		26.38	166	166	0.051
49	4.71	33.38		50	4.77	33.39		26.45	159	159	0.083
74	6.11	33.61		75	6.13	33.61		26.46	157	158	0.123
98	6.20	33.64		100	6.20	33.65		26.48	156	157	0.163
123	6.21	33.71		125	6.23	33.71		26.52	152	153	0.201
148	6.46	33.65		150	6.44	33.65		26.45	159	160	0.241
193	5.84	33.61		200	5.82	33.61		26.50	154	156	0.320
242	5.54	33.59		250	5.29	33.57		26.53	151	154	0.398
291	4.03	33.46		300	3.99	33.47		26.59	145	147	0.473
390	3.61	33.69		400	3.56	33.71		26.83	123	125	0.610
429	3.41	33.77									

STATION HO73008

LATITUDE 42-04 N LONGITUDE 141-26 E DATE 73-04-09 12.1 (GMT) DEPTH 407 COL. TR.
SEA 16 4A SWELL 16 1A WIND 16 04F AIR TEMP. DRY 04.2 WET BAR. 22.8 WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.90	33.14		0	3.90	33.14		26.34	169	169	0.000
9	4.07	33.13		10	4.06	33.14		26.32	171	171	0.017
18	4.02	33.20		20	4.05	33.22		26.39	165	165	0.034
27	4.21	33.27		30	4.28	33.29		26.42	161	161	0.050
46	4.66	33.37		50	4.75	33.38		26.44	159	160	0.082
68	5.17	33.42		75	5.37	33.46		26.44	160	161	0.123
91	5.75	33.55		100	5.82	33.57		26.47	157	158	0.162
114	5.84	33.58		125	5.84	33.59		26.48	156	157	0.202
137	5.84	33.59		150	5.90	33.60		26.48	155	157	0.241
172	5.97	33.62		200	5.76	33.60		26.50	154	156	0.320
222	5.47	33.57		250	5.06	33.54		26.54	150	153	0.397
267	4.78	33.53		300	4.25	33.52		26.61	143	146	0.472
355	3.31	33.56									

STATION HO73009

LATITUDE 42-11 N LONGITUDE 141-18 E DATE 73-04-09 14.6 (GMT) DEPTH 295 COL. TR.
SEA 16 5A SWELL 16 1A WIND 16 05F AIR TEMP. DRY 03.7 WET BAR. 22.9 WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.10	32.90		0	3.10	32.90		26.22	180	180	0.000
7	3.62	32.92		10	3.88	33.01		26.24	179	179	0.018
15	4.24	33.16		20	4.29	33.22		26.36	167	167	0.035
22	4.32	33.24		30	5.51	33.46		26.42	161	161	0.052
38	6.69	33.70		50	6.51	33.70		26.48	156	156	0.084
75	6.15	33.69		75	6.15	33.69		26.52	152	153	0.122
94	6.37	33.74		100	6.34	33.75		26.54	150	151	0.160
113	6.24	33.75		125	6.25	33.76		26.57	148	149	0.198
142	6.17	33.77		150	6.02	33.76		26.59	145	147	0.235
199	3.82	33.54									

STATION HO73010

LATITUDE 42-16 N LONGITUDE 141-06 E DATE 73-04-11 23.3 (GMT) DEPTH 80 COL. TR.
SEA SWELL 09 1A WIND CALM AIR TEMP. DRY 04.1 WET BAR. 06.4 WEATHER X6

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.10	31.78		0	3.10	31.78		25.33	265	264	0.000
10	2.49	32.59		10	2.49	32.59		26.03	199	198	0.023
20	1.94	32.65		20	1.94	32.65		26.12	190	190	0.043
30	1.45	32.68		30	1.45	32.68		26.18	185	184	0.061
50	4.51	33.29		50	4.51	33.29		26.40	164	164	0.096
75	5.45	33.55		75	5.45	33.55		26.50	154	155	0.136

STATION HO73011

LATITUDE 42-13 N LONGITUDE 141-12 E DATE 73-04-12 11.2 (GMT) DEPTH 130 COL. TR.
SEA SWELL 18 1A WIND CALM AIR TEMP. DRY 04.5 WET BAR. 11.3 WEATHER X1

OBSERVED				INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.00	32.83		0	4.00	32.83		26.08	193	193	0.000
10	3.90	32.96		10	3.90	32.96		26.20	183	182	0.019
20	3.81	33.05		20	3.81	33.05		26.28	175	175	0.037
30	4.41	33.28		30	4.41	33.28		26.40	163	163	0.054
50	5.31	33.50		50	5.31	33.50		26.47	156	157	0.086
75	5.78	33.59		75	5.78	33.59		26.49	155	156	0.125
100	5.66	33.61		100	5.66	33.61		26.52	152	153	0.164
125	5.34	33.57		125	5.34	33.57		26.53	151	153	0.202

STATION HO73012

LATITUDE 42-10 N LONGITUDE 141-17 E DATE 73-04-12 12.9 (GMT) DEPTH 295 COL. TR.
SEA 27 1A SWELL 16 1A WIND 27 01F AIR TEMP. DRY 04.4 WET BAR. 12.0 WEATHER X1

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	4.20	32.96		0	4.20	32.96		26.17	185	185	0.000
10	4.12	32.97		10	4.12	32.97		26.18	184	184	0.019
20	3.77	33.01		20	3.77	33.01		26.25	178	177	0.037
30	4.61	33.32		30	4.61	33.32		26.41	162	162	0.054
50	5.71	33.55		50	5.71	33.55		26.47	157	157	0.086
75	5.61	33.56		75	5.61	33.56		26.49	155	156	0.125
99	6.25	33.68		100	6.22	33.68		26.50	154	155	0.164
124	5.19	33.57		125	5.15	33.57		26.54	150	151	0.202
149	4.29	33.48		150	4.28	33.48		26.57	147	148	0.240
198	4.46	33.56		200	4.45	33.56		26.62	143	144	0.313
246	4.02	33.60		250	3.99	33.60		26.70	135	137	0.383
285	3.74	33.62									

STATION HO73013

LATITUDE 42-11 N LONGITUDE 141-26 E DATE 73-04-12 14.9 (GMT) DEPTH 500 COL. TR.
SEA 29 1A SWELL 27 1A WIND 29 01F AIR TEMP. DRY 03.8 WET BAR. 13.2 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.80	32.94		0	3.80	32.94		26.19	183	183	0.000
10	4.08	32.99		10	4.08	32.99		26.20	182	182	0.018
20	4.07	33.09		20	4.07	33.09		26.28	174	174	0.036
30	4.07	33.14		30	4.07	33.14		26.32	171	171	0.053
50	6.15	33.60		50	6.15	33.60		26.45	159	159	0.086
75	7.05	33.81		75	7.05	33.81		26.50	154	155	0.126
100	6.98	33.85		100	6.98	33.85		26.54	150	152	0.164
125	6.79	33.84		125	6.79	33.84		26.56	149	150	0.202
150	5.80	33.70		150	5.80	33.70		26.57	147	149	0.240
200	5.09	33.65		200	5.09	33.65		26.62	143	145	0.313
250	3.60	33.63		250	3.60	33.63		26.76	129	131	0.382
300	3.51	33.68		300	3.51	33.68		26.81	125	126	0.447
399	3.30	33.80		400	3.30	33.80		26.92	114	116	0.568
490	3.37	33.90									

STATION HO73014

LATITUDE 42-07 N LONGITUDE 141-23 E DATE 73-04-12 17.1 (GMT) DEPTH 401 COL. TR.
SEA 34 1A SWELL 28 1A WIND 34 01F AIR TEMP. DRY 03.4 WET BAR. 14.4 WEATHER X0

OBSERVED				INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	DEPTH	TEMP	SAL	O2	SIG-T	D-T	SVA	D-DY
0	3.20	32.62		0	3.20	32.62		25.99	202	202	0.000
10	3.31	32.67		10	3.31	32.67		26.02	199	199	0.020
20	2.98	32.86		20	2.98	32.86		26.20	182	182	0.039
30	2.94	33.05		30	2.94	33.05		26.36	167	167	0.057
50	4.95	33.40		50	4.95	33.40		26.44	160	160	0.090
75	5.98	33.62		75	5.98	33.62		26.49	155	156	0.129
100	5.34	33.59		100	5.34	33.59		26.54	150	151	0.168
125	6.41	33.74		125	6.41	33.74		26.53	151	153	0.206
150	6.34	33.78		150	6.34	33.78		26.57	147	149	0.243
198	5.95	33.76		200	5.86	33.75		26.61	144	146	0.318
246	3.86	33.59		250	3.81	33.59		26.71	134	136	0.388
293	3.68	33.68		300	3.65	33.69		26.80	125	127	0.454
378	3.19	33.70									

5. Data on Trawl Fishing

Operation was supervised by the captain and deck officers, and all hands of crew and cadets were engaged in the work.

Recording of fish species caught by trawling was made by deck officers.

Fig. 3 Locations of trawl fishing

Table 3 Data on trawl fishing

No. of fishing	Date and time of net cast	Position		Direction of tow	Duration of tow	Speed of tow (Kt)	Depth of sea bottom (m)	Temperature (°C)		Weather	Wind
		Lat.(N)	Long.(E)					Surface	Near bottom		
HOT 7301	Apr. 8 0712	42-02	141-28	350	1h 13m	2.7	445	4.4	-	c	WSW 2
HOT 7302	8 1032	42-04	141-29	170	2 15	2.9	480	4.3	-	c	South 1
HOT 7303	8 1430	42-02	141-28	350	2 16	2.7	455	5.4	-	o	SE 3
HOT 7304	9 0715	42-04	141-26	160	1 22	2.8	400	3.4	-	b	NW 2
HOT 7305	9 1002	42-02	141-26	340	2 07	2.6	388	4.4	-	bc	NNE 3
HOT 7306	9 1357	42-06	141-27	160	2 13	3.5	430	4.5	-	bc	North 3
HOT 7307	12 1017	42-11	141-25	170	2 15	2.9	435	4.2	-	r	North 2
HOT 7308	12 1402	42-09	141-26	340	2 09	2.4	487	4.2	-	bc	West 2
HOT 7309	13 0635	42-03	141-29	175	1 38	2.2	497	3.8	-	b	South 1
HOT 7310	13 1012	42-03	141-27	350	2 08	2.8	400	4.7	-	b	South 3
HOT 7311	13 1417	42-07	141-26	170	1 36	2.6	456	4.2	-	b	SSW 2

Table 4 Data on catches by trawl fishing in kg per haul

Species	Gyoshu	7301	7302	7303	7304	7305	7306	7307	7308	7309	7310	7311
Rhinoraja kujiensis	Kujikasube	0	0	6	3	9	4	21	12	0	9	9
Synaphobranchus kaupii	Irakoanago	15	14	40	11	9	12	34	17	1	17	9
Dasycottus japonicus	Ganko	3	4	0	2	4	15	12	12	8	20	22
Sebastes flammeus	Sangomenuke	27	57	30	17	22	59	32	11	9	27	21
Sebastes iracundus	Oosaga	3	4	5	38	114	79	10	0	0	30	5
Sebastolobus macrochir	Kichiji	188	438	262	175	193	296	485	117	255	362	206
Laemonema longipes	Itohikidara	15	14	40	11	9	12	34	17	1	17	9
Gadus morrhua macrocephalus	Madara	0	1	0	0	0	0	0	0	0	1	0
Theragra chalcogramma	Suketoudara	2	5	2	0	0	1	1	2	1	5	3
Atheresthes evermani	Aburagarei	62	690	105	9	9	47	65	6	636	129	69
Platichihys stellatus	Numagarei	0	0	0	0	1	0	1	0	1	0	2
Clidoderma asperrimum	Samegarei	0	0	0	0	0	0	1	0	3	0	0
Glyptocephalus stelleri	Hireguro	0	0	0	0	0	0	6	0	0	0	0
Microstomus achne	Nametagarei	0	0	0	1	0	0	0	0	0	0	0
Chionoecetes opilio	Zuwaigani	1	4	4	1	3	7	16	24	10	9	14
Pandalopsis coccinate	Higoromoebi	5	22	10	10	25	14	12	6	8	20	11
Gonatus (Berryteuthis) magister	Dosuika	0	0	1	0	0	1	0	10	0	3	0
Neptunea intersculpta	Ezoboramodoki	1	12	11	3	11	17	7	24	50	20	15
	Total	307	1262	483	271	402	559	713	272	982	656	386

Missing Table ***** Insert to No. 17, p. 69

Table 4. Data on catch by trawling on Cruise 45 of the "Oshoro Maru" to the Chukchi Sea in July - Aug. 1972.

Species	Gyoshu	7216	7217	7218	7219	7220	7221	Total
Mallotus catervarius (PENNANT)	Karafutoshisyamo	(8)	(6)		(4)	(4)		(22)
Boreogadus saida (LEPECHIN)	Hokkyokudara	(18)	(3)		(22)	(6)	(6)	(55)
Hippoglossoides elassodon robustus GILL and TOWNSEND	Dorogarei	(14)		(1)	(1)		(2)	(18)
Reinhardtius hippoglossoides (WALBAUM)	Karasugarei	2						2
Chionoecetes opilio (FABRICIUS)	Zuwaigani	(110)	28	57	126	26	45	392
Crangon sp.	Ebizyako			(6)		(9)		(15)
Asteroidea	Hitode	5		5	5	5	5	25
Strongyrocentrotus sp.	Bafun-uni				(3)		(1)	(4)
Neptunea spp.	Tsubu					(8)		(8)
Gorgonocephalus caryi LYMAN	Okinotezurumozuru				(2)	8	1	(2) 9

Number : Showes weight
(Number): Showes number

Memoirs of the Faculty of Fisheries, Hokkaido University

Vol. 1, No. 1	March	1953	Vol. 11, No. 1	June	1963
Vol. 2, No. 1	December	1954	Vol. 11, No. 2	December	1963
Vol. 3, No. 1	August	1955	Vol. 12, No. 1	March	1965
Vol. 3, No. 2	December	1955	Vol. 12, No. 2	December	1965
Vol. 4, No. 1	August	1956	Vol. 13, No. 1	May	1965
Vol. 4, No. 2	December	1956	Vol. 13, No. 2	December	1965
Vol. 5, No. 1	December	1957	Vol. 14, No. 1/2	December	1966
Vol. 5, No. 2	December	1957	Vol. 15, No. 1	November	1967
Vol. 6, No. 1	December	1958	Vol. 15, No. 2	December	1967
Vol. 6, No. 2	December	1958	Vol. 16, No. 1/2	December	1968
Vol. 7, No. 1/2	December	1959	Vol. 17, No. 1/2	December	1969
Vol. 8, No. 1	November	1960	Vol. 18, No. 1/2	September	1971
Vol. 8, No. 2	December	1960	Vol. 19, No. 1/2	May	1972
Vol. 9, No. 1	June	1961	Vol. 20, No. 1/2	May	1973
Vol. 9, No. 2	November	1961	Vol. 21, No. 1	October	1973
Vol. 10, No. 1	December	1962	Vol. 21, No. 2	November	1973
Vol. 10, No. 2	December	1962	Vol. 22, No. 1	May	1974

Data Record of Oceanographic Observations and Exploratory Fishing

No. 1	May	1957	No. 10	April	1966
No. 2	June	1958	No. 11	December	1967
No. 3	November	1959	No. 12	December	1968
No. 4	March	1960	No. 13	November	1969
No. 5	March	1961	No. 14	November	1970
No. 6	March	1962	No. 15	March	1972
No. 7	March	1963	No. 16	March	1973
No. 8	March	1964	No. 17	March	1974
No. 9	March	1965			

昭和50年3月25日印刷
昭和50年3月30日発行

編集　海洋調査漁業試験要報
編集委員会
代表　福岡二郎

印刷所　協業組合
高速印刷センター
札幌市西区手稲稲穂472

発行所　北海道大学水産学部
函館市港町3丁目1－1